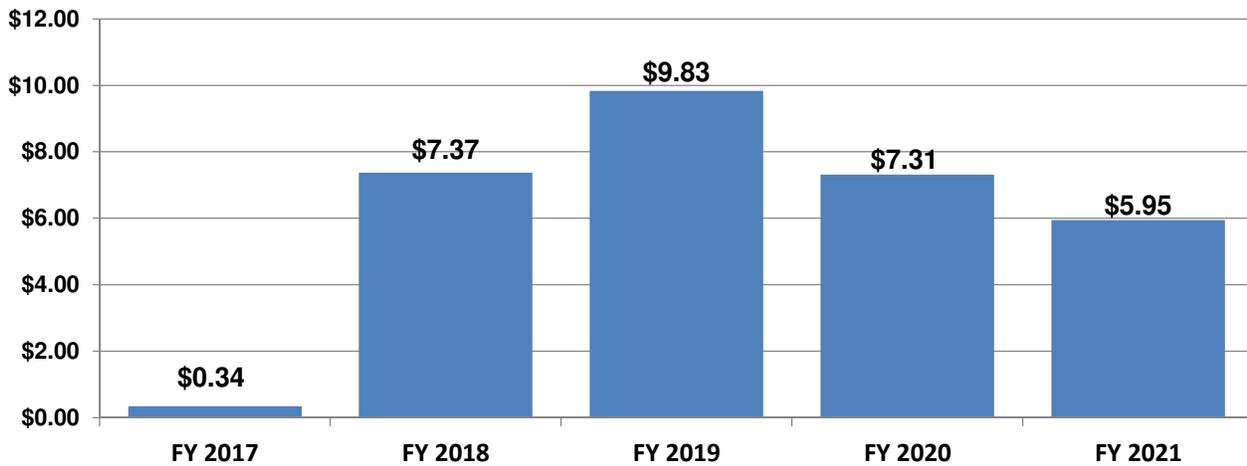


Water & Sewer 5-YEAR PLAN	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total '17-'21	'17-'21 Rate Impact
	FY2017-FY2021 CAPITAL IMPROVEMENT PLAN						
<i>(\$ in thousands)</i>							
CAPITAL COSTS							
Water	\$8,058	\$16,584	\$19,149	\$14,857	\$6,775	\$65,422	
Sewer	20,769	41,083	28,094	20,942	11,196	122,083	
Total	\$28,826	\$57,666	\$47,244	\$35,798	\$17,971	\$187,505	
FINANCE SOURCES							
User Fee Bonds	\$19,154	\$28,212	\$21,607	\$14,299	\$10,135	\$93,407	
Connection Fee Bonds	7,871	22,446	21,100	17,640	5,418	74,475	
Operating Transfer	377	503	439	201	201	1,721	
Total County Funding	\$27,402	\$51,161	\$43,146	\$32,140	\$15,754	\$169,602	
Other: WSSC	1,295	6,369	3,959	3,514	2,217	17,354	
Other: Property Owners	129	136	139	144	0	548	
Total	\$28,826	\$57,666	\$47,244	\$35,798	\$17,971	\$187,505	
Rate Impact of Requested CIP	2.5¢	53.9¢	71.9¢	53.4¢	43.5¢		\$2.25

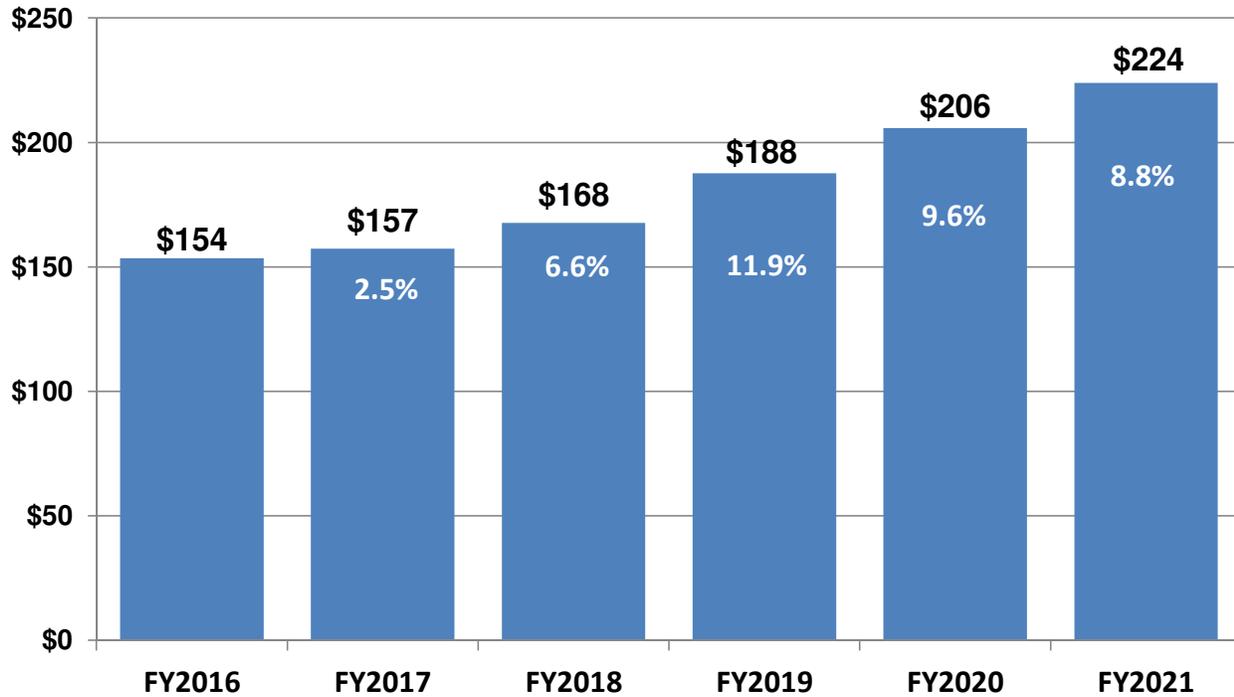
CIP Impact on Quarterly Bill	\$0.34	\$7.37	\$9.83	\$7.31	\$5.95
Cumulative CIP Impact on Quarterly Bill	\$0.34	\$7.72	\$17.55	\$24.85	\$30.80

(based on 13,680 gallons)

Estimated CIP Quarterly Impact



Estimated Quarterly Water & Sewer Bill



NOTE: % change reflected in graph above represents % increase in the estimated quarterly bill in comparison to the prior year.

	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	5 Year Impact
IMPACT ON QUARTERLY BILL							
Estimated Water & Sewer Bill <i>(based on 13,680 gallons)</i>	\$153.50	\$157.29	\$167.72	\$187.67	\$205.76	\$223.95	
Increase in the estimated quarterly bill:							
Existing Operations		\$3.45	\$3.05	\$10.12	\$10.79	\$12.25	\$39.65
Requested FY17-FY21 CIP		\$0.34	\$7.37	\$9.84	\$7.31	\$5.94	\$30.80
Additional amount per quarter		\$3.79	\$10.42	\$19.96	\$18.09	\$18.19	\$70.45
ESTIMATED ANNUAL BILLS:							
Estimated additional annual cost	\$614.01	\$629.17	\$670.86	\$750.69	\$823.05	\$895.80	\$281.79

WATER & SEWER FUND FIVE-YEAR PLAN

	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year
CIP Rate Adjustment						
Requested Water CIP	0.8	23.2	27.1	31.3	19.1	\$1.02
Requested Sewer CIP	1.7	30.7	44.8	22.1	24.4	\$1.24
Requested Water & Sewer CIP	2.5¢	53.9¢	71.9¢	53.4¢	43.5¢	\$2.25
<i>Annual CIP Rate Increase</i>	<i>0.2%</i>	<i>4.8%</i>	<i>6.1%</i>	<i>4.2%</i>	<i>3.3%</i>	

Estimated Increase in quarterly bill:

Impact of FY17-FY21 CIP:	\$0.34	\$7.37	\$9.83	\$7.31	\$5.95
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Capital Improvement Program Operating Impact

An operating impact is required on all CIP projects. The impact of the future operating impacts on the existing Water and Sewer rate is listed on each project page in the Capital Budget section. Listed below is a summary of all projects impacting the Water and Sewer user fee rates and the affect of each project on the existing rate.

The required rate adjustment is calculated by taking the Total Cost per Year and dividing it by the estimated amount of money that one cent generates.

	<u>FY 2017</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>FY 2020</u>	<u>FY 2021</u>
Marginal Revenue generated from a one cent rate adjustment:	\$21,908	\$22,278	\$22,648	\$23,017	\$23,393

PROJECT IMPACT ON WATER USER FEE:							Project Impact	
	Prior	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	on Rate	on Qtrly. Bill
<u>DEBT SERVICE</u>								
Automation & Technology Master Plan	661,400	661,400	778,900	901,400	1,040,600	1,164,300	49.8¢	\$6.81
Underground Infrastructure Repairs	105,700	105,700	168,700	231,900	295,200	358,400	15.3¢	\$2.10
South County Water Transmission Main	17,100	17,100	74,700	217,100	359,600	502,100	21.5¢	\$2.94
Satellite Water Facility Upgrades	242,600	242,600	305,000	367,600	430,200	492,800	21.1¢	\$2.88
Pinefield Water Tower Rehabilitation	0	0	7,900	57,900	107,900	107,900	4.6¢	\$0.63
Waldorf Fire House								
Water Tower Replacement	22,200	22,200	22,200	38,500	54,800	54,800	2.3¢	\$0.32
Settle Woods Water Tower Rehabilitation	0	0	5,900	33,100	60,300	60,300	2.6¢	\$0.35
St. Charles Well #16 Replacement	0	0	141,300	141,300	141,300	141,300	6.0¢	\$0.83
WSSC Waldorf Interconnection	0	0	4,700	14,900	66,400	117,900	5.0¢	\$0.69
Chapel Point/Bel Alton Water System & Tank	0	0	24,100	184,300	344,500	344,500	14.7¢	\$2.01
Contingency Inflation	0	0	0	39,000	100,500	153,200	6.5¢	\$0.90
Total Debt Service	\$1,049,000	\$1,049,000	\$1,533,400	\$2,227,000	\$3,001,300	\$3,497,500		
<u>OPERATING</u>								
Water Model Update	53,900	72,050	53,900	53,900	53,900	53,900	0.0¢	\$0.00
Bensville/Bryans Road Water Systems	0	0	50,000	0	0	0	0.0¢	\$0.00
Contingency Inflation	0	0	0	0	0	0	0.0¢	\$0.00
Total Operating Costs	\$53,900	\$72,050	\$103,900	\$53,900	\$53,900	\$53,900		
Total Cost per Year:	\$1,102,900	\$18,150	\$516,250	\$643,600	\$774,300	\$496,200	\$1.49	\$20.45
FY17-FY21 Cumulative Cost:		\$18,150	\$534,400	\$1,178,000	\$1,952,300	\$2,448,500		

Required CIP Water Rate Adjustment Per Year:

	Prior	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Impact on Rate
Rate Adjustment per Year *	47.9¢	0.8¢	23.2¢	27.1¢	31.3¢	19.1¢	\$1.49
<i>Estimated % change due to CIP:</i>		<i>0.2%</i>	<i>5.5%</i>	<i>6.1%</i>	<i>6.7%</i>	<i>3.8%</i>	

* Note: Rate Adjustment will vary due to tiered billing system for Residential Users.

WATER & SEWER FUND FIVE-YEAR PLAN

Capital Improvement Program Operating Impact

	<u>FY 2017</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>FY 2020</u>	<u>FY 2021</u>
Marginal Revenue generated from a one cent rate adjustment:	\$22,533	\$25,916	\$26,283	\$28,072	\$28,471

PROJECT IMPACT ON SEWER USER FEE:							Project Impact	
	Prior	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	on Rate	on Qtrly. Bill
DEBT SERVICE								
Automation & Technology Master Plan	661,400	661,400	778,900	901,500	1,040,700	1,164,400	40.9¢	\$5.59
Influent/Effluent Pump Station	292,600	292,600	367,000	444,700	444,700	444,700	15.6¢	\$2.14
MWWTP Electrical System Replacement	57,900	57,900	63,300	228,700	394,100	394,100	13.8¢	\$1.89
MWWTP Flow Equalization	139,600	139,600	149,800	423,000	593,100	708,600	24.9¢	\$3.40
Mattawoman Infiltration and Inflow	192,800	192,800	196,000	327,700	405,700	519,100	18.2¢	\$2.49
Mattawoman WWTP Automation	107,600	107,600	113,800	178,600	241,100	241,100	8.5¢	\$1.16
Pump Station Rehabs and Replacements	264,400	264,400	412,500	561,100	692,800	824,400	29.0¢	\$3.96
Satellite Wastewater Facility Upgrades	125,400	125,400	172,900	220,500	268,200	315,800	11.1¢	\$1.52
MWWTP Clarifier and Thickener Repairs	85,500	85,500	114,000	142,700	171,300	200,000	7.0¢	\$0.96
MWWTP Utility Water System Evaluation & Improvement	18,400	18,400	18,400	54,500	69,500	69,500	2.4¢	\$0.33
Piney Branch Sewer Replacement (Upper Reaches)	122,600	122,600	164,600	164,600	164,600	164,600	5.8¢	\$0.79
MD. Route 5 Pump Station Forcemain	30,900	30,900	36,500	59,000	59,000	59,000	2.1¢	\$0.28
Zekiah Pump Station Upgrade	10,800	10,800	10,800	10,800	19,400	28,000	1.0¢	\$0.13
Zekiah Pump Station Forcemain	12,300	12,300	14,700	17,100	25,700	42,200	1.5¢	\$0.20
Zekiah Interceptor Sewer Upgrades	16,000	16,000	27,500	39,000	50,600	50,600	1.8¢	\$0.24
Clifton WWTP Improvements	20,000	20,000	151,900	284,200	284,200	284,200	10.0¢	\$1.37
Mt. Carmel Woods/CSM Pump Stations & Forcemains Phase 3	447,200	447,200	614,700	614,700	614,700	614,700	21.6¢	\$2.95
MWWTP Belt Filter Press Replacement	32,200	32,200	150,500	269,400	269,400	269,400	9.5¢	\$1.29
MWWTP Primary Clarifiers #1-4 Demolition	0	0	0	0	0	5,600	0.2¢	\$0.03
Southwinds Pump Station Outfall Gravity	8,800	8,800	52,500	52,500	52,500	52,500	1.8¢	\$0.25
MWWTP Septage Receiving Facility	0	0	1,800	4,400	12,300	27,200	1.0¢	\$0.13
Swan Pt. WWTP Electrical & Control System Improvements	0	0	50,300	84,900	109,400	131,400	4.6¢	\$0.63
Post Office Road Sewer Capacity	0	0	16,700	54,400	126,400	126,400	4.4¢	\$0.61
Sewer Easement Study & Acquisition	0	0	14,800	29,400	41,700	41,700	1.5¢	\$0.20
Line Maintenance Storage Building	0	0	42,900	42,900	42,900	42,900	1.5¢	\$0.21
Contingency Inflation	0	0	0	88,300	173,000	247,800	8.7¢	\$1.19
Total Debt Service	\$2,646,400	\$2,646,400	\$3,736,800	\$5,298,600	\$6,367,000	\$7,069,900		
OPERATING								
Sewer Model Update	56,700	94,600	94,600	(64,400)	(30,200)	0	0.0¢	\$0.00
MWWTP Belt Filter Press Replacement	0	0	0	(99,300)	(2,000)	(2,000)	-3.6¢	-\$0.50
Indian Head Manor PS Removal	0	0	126,000	(126,000)	0	0	0.0¢	\$0.00
Sewer Pump Station Capacity Study	0	0	0	84,500	(84,500)	0	0.0¢	\$0.00
Contingency Inflation	0	0	7,000	7,000	0	0	0.0¢	\$0.00
Total Operating Costs	\$56,700	\$94,600	\$227,600	(\$198,200)	(\$116,700)	(\$2,000)		
Total Cost per Year:	\$2,703,100	\$37,900	\$1,223,400	\$1,136,000	\$1,149,900	\$817,600	\$2.45	\$33.47
FY17-FY21 Cumulative Cost:		\$37,900	\$1,261,300	\$2,397,300	\$3,547,200	\$4,364,800		

Required CIP Sewer Rate Adjustment Per Year:

	Prior	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Impact on Rate
Rate Adjustment per Year	\$1.21	1.7¢	30.7¢	44.8¢	22.1¢	24.4¢	\$2.45
Estimated % change due to CIP:		0.2%	4.3%	6.0%	2.8%	3.0%	

CONNECTION FEE

The connection fee rate will be adjusted in addition to the time value of money if a project or projects impact the rate over and above the normal fee. This year based on the requested CIP we are proposing that the water and sewer rate will need to increase by approximately 4.2% annually to fund the proposed CIP.

Fiscal Year	Sewer Connection Fee	Water Connection Fee	Combined Fee	% Change
2016 Actual	\$8,413	\$4,496	\$12,909	6.6%
2017	\$8,766	\$4,685	\$13,451	4.2%
2018	\$9,119	\$4,873	\$13,992	4.0%
2019	\$9,486	\$5,069	\$14,555	4.0%
2020	\$9,868	\$5,273	\$15,141	4.0%
2021	\$10,265	\$5,486	\$15,751	4.0%

• Requesting to fund a Connection Fee Rate Study costing approximately \$30,000 with revenues generated by Connection Fees.

**CHARLES COUNTY COMMISSIONERS OF CHARLES COUNTY, MD
FISCAL YEAR 2017 REQUESTED CAPITAL PROJECT BUDGET
FY2017-FY2021 CAPITAL IMPROVEMENT PROGRAM**

Department	Page Ref. #	(\$ in thousands)	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year	Prior	Beyond	Project
								Total '17-'21	Approp. thru FY16	FY 2021	Total
ENTERPRISE FUND OPERATIONS											
WATER & SEWER											
DPW	12	Automation & Technology Master Plan	1,939	2,018	2,292	2,037	0	8,286	11,426	0	19,712
DPW	13	Underground Infrastructure Repairs	718	718	718	718	718	3,590	1,271	718	5,579
PGM	14	Water Model Update	131	98	98	98	98	523	430	98	1,051
DPW/PGM	15	South County Water Transmission Main	690	1,703	1,703	1,703	1,993	7,792	217	3,698	11,707
DPW	16	Satellite Water Facility Upgrades	711	711	711	711	711	3,555	2,917	711	7,183
PGM	17	Bensville Water Tower No. 8	2,251	1,930	0	0	0	4,181	2,465	0	6,646
PGM	18	Pinefield Water Tower Rehabilitation	90	568	568	0	0	1,226	0	0	1,226
PGM	19	Gleneagles 2MG Water Tower	0	1,850	1,850	1,849	0	5,549	713	0	6,262
PGM	20	Waldorf Fire House Water Tower Replacement	0	1,850	1,849	0	0	3,699	2,670	0	6,369
PGM	21	White Plains 2MG Water Tower	0	0	713	1,850	0	2,563	0	3,699	6,262
PGM	22	Settle Woods Water Tower Rehabilitation	67	309	309	0	0	685	0	0	685
PGM	23	Bryans Road 2MG Water Tower	0	350	1,223	1,223	0	2,796	0	1,223	4,019
PGM	24	Bensville Road Water Line Extension	0	0	403	1,649	0	2,052	0	0	2,052
PGM	25	Bensville/Bryans Road Water Systems Interconnection Study	0	100	0	0	0	100	0	0	100
PGM	26	Hughesville Water Line	166	2,061	2,061	0	0	4,288	507	0	4,795
PGM	27	Private Water System Interconnection Program	129	129	129	129	0	516	307	0	823
DPW	28	St. Charles Well #16 Replacement	1,610	0	0	0	0	1,610	0	0	1,610
PGM	29	WSSC Waldorf Interconnection	213	465	2,338	2,338	2,338	7,692	0	2,338	10,030
PGM	30	Water Detail Revisions	37	0	0	0	0	37	0	0	37
PGM	31	Chapel Point/Bel Alton Water System & Tank	275	1,819	1,819	0	0	3,913	0	0	3,913
PGM	32	Influent/Effluent Pump Station	2,547	2,643	0	0	0	5,190	12,077	0	17,267
DPW	33	MWWTP Electrical System Replacement	133	4,018	4,018	0	0	8,169	1,488	0	9,657
DPW	34	MWWTP Flow Equalization	349	9,299	5,789	3,929	1,649	21,015	5,228	0	26,243
PGM	35	Mattawoman Infiltration and Inflow	148	6,111	3,621	5,260	3,974	19,114	9,615	3,207	31,936
DPW	36	Mattawoman WWTP Automation	149	1,575	1,519	0	0	3,243	3,121	0	6,364
DPW	37	Pump Station Rehabs and Replacements	1,688	1,688	1,495	1,495	1,495	7,861	3,179	1,495	12,535
DPW	38	Satellite Wastewater Facility Upgrades	541	541	541	541	541	2,705	1,508	541	4,754
DPW	39	MWWTP Clarifier and Thickener Repairs	976	976	976	976	976	4,878	3,200	976	9,054
DPW	40	Swan Point and Cobb Island Sewer System	0	0	0	290	0	290	0	1,458	1,748
DPW	41	MWWTP Utility Water System Evaluation & Improvement	0	1,231	511	0	0	1,742	689	0	2,431
PGM	42	Sewer Model Update	172	172	158	103	103	708	334	103	1,145
PGM	43	Mattawoman WWTP Berm Relocation	333	235	302	282	180	1,332	929	1,366	3,627
PGM	44	Piney Branch Sewer Replacement (Upper Reaches)	479	0	0	0	0	479	1,474	0	1,953
PGM	45	MD. Route 5 Pump Station Forcemain	177	717	0	0	0	894	1,083	0	1,977
PGM	46	Zekiah Pump Station Upgrade	0	0	598	598	598	1,794	819	0	2,613
PGM	47	Zekiah Pump Station Forcemain	164	164	598	1,143	0	2,069	938	0	3,007
PGM	48	Zekiah Interceptor Sewer Upgrades	799	799	799	0	0	2,397	1,216	0	3,613
DPW	49	Cliffton WWTP Improvements	1,503	1,503	0	0	0	3,006	240	0	3,246
PGM	50	Mt. Carmel Woods/College of Southern Maryland (CSM) Pump Stations & Forcemains Phase 3	3,575	0	0	0	0	3,575	11,015	0	14,590
DPW	51	MWWTP Belt Filter Press Replacement	4,050	4,050	0	0	0	8,100	1,205	0	9,305
DPW	52	MWWTP Primary Clarifiers #1-4 Demolition	0	0	0	190	158	348	0	1,900	2,248
PGM	53	Hughesville Sewer System	0	842	2,139	2,139	0	5,120	0	0	5,120
PGM	54	Southwinds Pump Station Outfall Gravity Sewer	498	0	0	0	0	498	106	0	604
DPW	55	MWWTP Septage Receiving Facility Improvements	60	90	268	508	0	926	0	0	926
DPW	56	Swan Pt. WWTP Electrical and Control System Improvements	573	393	278	250	0	1,494	0	0	1,494
DPW	57	Post Office Road Sewer Capacity Improvements	190	428	818	0	0	1,436	0	0	1,436
PGM	58	Sewer Easement Study & Acquisition	169	165	140	0	0	474	0	0	474
DPW	59	Line Maintenance Storage Building	489	0	0	0	0	489	0	0	489
PGM	60	Indian Head Manor PS Removal	0	126	0	0	0	126	0	0	126
PGM	61	Sewer Pump Station Capacity Study	0	0	169	0	0	169	0	0	169
PGM	62	Sewer Detail Revisions	37	0	0	0	0	37	0	0	37
Total without inflation			\$28,826	\$54,445	\$43,521	\$32,009	\$15,532	\$174,331	\$82,387	\$23,531	\$280,248
Contingency-inflation			(0)	3,222	3,723	3,790	2,440	13,174	0	4,687	17,861
Total Water & Sewer			\$28,826	\$57,666	\$47,244	\$35,798	\$17,971	\$187,505	\$82,387	\$28,218	\$298,109
Water			8,058	16,584	19,149	14,857	6,775	65,422	17,177	14,972	97,569
Sewer			20,769	41,083	28,095	20,942	11,196	122,083	65,210	13,246	200,540
Water & Sewer Billing			0	0	0	0	0	0	0	0	0
Total Water & Sewer			\$28,826	\$57,667	\$47,244	\$35,798	\$17,971	\$187,505	\$82,386	\$28,218	298,109

*New Projects to the CIP

**CHARLES COUNTY COMMISSIONERS OF CHARLES COUNTY, MD
FISCAL YEAR 2017 REQUESTED CAPITAL PROJECT BUDGET
FY2017-FY2021 CAPITAL IMPROVEMENT PROGRAM**

Department
Page Ref: #

		(\$ in thousands)					5-Year Total '17-'21	Prior Approp. thru FY16	Beyond FY 2021	Project Total	
		FY 2017	FY 2018	FY 2019	FY 2020	FY 2021					
SEWER- User Fee											
Financing Sources											
		%									
		Allocation									
	Bonds	\$14,005	\$20,739	\$13,287	\$9,097	\$5,607	\$62,734	\$36,559	\$5,387	\$104,680	
	Operating Transfer	95	228	178	57	57	614	208	57	878	
	Total County Funding	\$14,100	\$20,966	\$13,465	\$9,154	\$5,663	\$63,348	\$36,766	\$5,444	\$105,558	
	Federal	0	0	0	0	0	0	400	0	400	
	State	0	0	0	0	0	0	810	0	810	
	Other: WSSC	712	3,430	1,986	1,735	1,219	9,083	4,089	1,079	14,252	
	Total Funding	\$14,812	\$24,396	\$15,451	\$10,889	\$6,883	\$72,431	\$42,066	\$6,523	\$121,022	
Capital Costs											
DPW	12 Automation & Technology Master Plan	50%	\$970	\$1,009	\$1,146	\$1,019	\$0	\$4,143	\$5,747	\$0	\$9,891
PGM	32 Influent/Effluent Pump Station	55%	1,401	1,454	0	0	0	2,855	6,642	0	9,497
DPW	33 MWWTP Electrical System Replacement	55%	73	2,210	2,210	0	0	4,493	818	0	5,311
DPW	34 MWWTP Flow Equalization	55%	192	5,115	3,184	2,161	907	11,558	2,875	0	14,434
PGM	35 Mattawoman Infiltration and Inflow	55%	81	3,361	1,992	2,893	2,186	10,513	5,288	1,764	17,565
DPW	36 Mattawoman WWTP Automation	55%	82	866	836	0	0	1,784	1,717	0	3,500
DPW	37 Pump Station Rehabs and Replacements		1,688	1,688	1,495	1,495	1,495	7,861	3,179	1,495	12,535
DPW	38 Satellite Wastewater Facility Upgrades		541	541	541	541	541	2,705	1,508	541	4,754
DPW	39 MWWTP Clarifier and Thickener Repairs	55%	537	537	537	537	537	2,683	1,760	537	4,979
DPW	41 MWWTP Utility Water System Eval. & Improv.	55%	0	677	281	0	0	958	379	0	1,337
PGM	42 Sewer Model Update	55%	95	95	87	57	57	389	184	57	630
PGM	44 Piney Branch Sewer Replacement (Upper Reaches)		479	0	0	0	0	479	1,474	0	1,953
PGM	45 MD. Route 5 Pump Station Forcemain	50%	89	359	0	0	0	447	542	0	989
PGM	46 Zekiah Pump Station Upgrade	23%	0	0	138	138	138	413	188	0	601
PGM	47 Zekiah Pump Station Forcemain	23%	38	38	138	263	0	476	216	0	692
PGM	48 Zekiah Interceptor Sewer Upgrades	23%	184	184	184	0	0	551	280	0	831
DPW	49 Clifton WWTP Improvements		1,503	1,503	0	0	0	3,006	240	0	3,246
PGM	50 Mt. Carmel Woods/College of Southern Maryland (CSM) Pump Stations & Forcemains Phase 3	75%	2,681	0	0	0	0	2,681	8,261	0	10,943
DPW	51 MWWTP Belt Filter Press Replacement	55%	2,228	2,228	0	0	0	4,455	663	0	5,118
DPW	52 MWWTP Primary Clarifiers #1-4 Demolition	55%	0	0	0	105	87	191	0	1,045	1,236
PGM	54 Southwinds Pump Station Outfall Gravity Sewer		498	0	0	0	0	498	106	0	604
DPW	55 MWWTP Septage Receiving Facility Improvements	55%	33	50	147	279	0	509	0	0	509
DPW	56 Swan Pt. WWTP Electrical and Control System Improvements		573	393	278	250	0	1,494	0	0	1,494
DPW	57 Post Office Road Sewer Capacity Improvements		190	428	818	0	0	1,436	0	0	1,436
PGM	58 Sewer Easement Study & Acquisition		169	165	140	0	0	474	0	0	474
DPW	59 Line Maintenance Storage Building		489	0	0	0	0	489	0	0	489
PGM	60 Indian Head Manor PS Removal		0	126	0	0	0	126	0	0	126
PGM	61 Sewer Pump Station Capacity Study	50%	0	0	85	0	0	85	0	0	85
	Total without inflation	\$14,812	\$23,024	\$14,234	\$9,736	\$5,946	\$67,752	\$42,067	\$5,438	\$115,258	
	Contingency-inflation	0	1,373	1,217	1,153	937	4,680		1,085	5,763	
	Total User Fee Projects	\$14,812	\$24,397	\$15,451	\$10,889	\$6,883	\$72,431	\$42,067	\$6,523	\$121,022	

* Represents split between Water & Sewer

*New Projects to the CIP

**CHARLES COUNTY COMMISSIONERS OF CHARLES COUNTY, MD
FISCAL YEAR 2017 REQUESTED CAPITAL PROJECT BUDGET
FY2017-FY2021 CAPITAL IMPROVEMENT PROGRAM**

Department

Page Ref: #

		(\$ in thousands)					5-Year	Prior	Beyond	Project	
		FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total '17-'21	Approp. thru FY16	FY 2021	Total	
SEWER- Connection Fee											
	Financing Sources										
			% Allocation								
	Bonds	\$5,259	\$13,670	\$10,507	\$8,228	\$3,269	\$40,934	\$18,896	\$5,793	\$65,623	
	Operating Transfer	114	77	163	46	46	447	158	46	652	
	Total County Funding	\$5,374	\$13,747	\$10,670	\$8,274	\$3,316	\$41,381	\$19,054	\$5,840	\$66,275	
	Federal	0	0	0	0	0	0	328	0	328	
	State	0	0	0	0	0	0	444	0	444	
	Other: WSSC	583	2,939	1,973	1,779	998	8,271	3,318	883	12,473	
	Total Funding	\$5,957	\$16,686	\$12,643	\$10,053	\$4,313	\$49,652	\$23,144	\$6,723	\$79,519	
	Capital Costs										
PGM	32 Influent/Effluent Pump Station	45%	\$1,146	\$1,189	\$0	\$0	\$0	\$2,336	\$5,435	\$0	\$7,770
DPW	33 MWWTP Electrical System Replacement	45%	60	1,808	1,808	0	0	3,676	670	0	4,346
DPW	34 MWWTP Flow Equalization	45%	157	4,185	2,605	1,768	742	9,457	2,353	0	11,809
PGM	35 Mattawoman Infiltration and Inflow	45%	67	2,750	1,629	2,367	1,788	8,601	4,327	1,443	14,371
DPW	36 Mattawoman WWTP Automation	45%	67	709	684	0	0	1,459	1,404	0	2,864
DPW	37 MWWTP Clarifier and Thickener Repairs	45%	439	439	439	439	439	2,195	1,440	439	4,074
DPW	40 Swan Point and Cobb Island Sewer System		0	0	0	290	0	290	0	1,458	1,748
DPW	41 MWWTP Utility Water System Eval. & Improv.	45%	0	554	230	0	0	784	310	0	1,094
PGM	42 Sewer Model Update	45%	77	77	71	46	46	319	150	46	515
PGM	43 Mattawoman WWTP Berm Relocation		333	235	302	282	180	1,332	929	1,366	3,627
PGM	45 MD. Route 5 Pump Station Forcemain	50%	89	359	0	0	0	447	542	0	989
PGM	46 Zekiah Pump Station Upgrade	77%	0	0	461	461	461	1,381	631	0	2,012
PGM	47 Zekiah Pump Station Forcemain	77%	126	126	461	880	0	1,593	722	0	2,315
PGM	48 Zekiah Interceptor Sewer Upgrades Mt. Carmel Woods/College of Southern	77%	615	615	615	0	0	1,846	936	0	2,782
PGM	50 Maryland (CSM) Pump Stations & Forcemains Phase 3	25%	894	0	0	0	0	894	2,754	0	3,648
DPW	51 MWWTP Belt Filter Press Replacement	45%	1,823	1,823	0	0	0	3,645	542	0	4,187
DPW	52 MWWTP Primary Clarifiers #1-4 Demolition	45%	0	0	0	86	71	157	0	855	1,012
PGM	26 Hughesville Sewer System		0	842	2,139	2,139	0	5,120	0	0	5,120
DPW	55 MWWTP Septage Receiving Facility Improvements	45% *	27	41	121	229	0	417	0	0	417
PGM	61 Sewer Pump Station Capacity Study	50% *	0	0	85	0	0	85	0	0	85
PGM	62 Sewer Detail Revisions	*	37	0	0	0	0	37	0	0	37
	Total without inflation		\$5,957	\$15,751	\$11,649	\$8,986	\$3,727	\$46,070	\$23,144	\$5,608	\$74,821
	Contingency-inflation		0	935	995	1,067	586	3,582		1,116	4,698
	Total Connection Fee Projects		\$5,957	\$16,686	\$12,643	\$10,053	\$4,313	\$49,652	\$23,144	\$6,723	\$79,519
	TOTAL SEWER		\$20,769	\$41,083	\$28,094	\$20,942	\$11,196	\$122,083	\$65,210	\$13,246	\$200,540
	*New Projects to the CIP										
	TOTAL WATER & SEWER		\$28,826	\$57,667	\$47,244	\$35,798	\$17,971	\$187,506	\$82,386	\$28,218	\$298,109

Capital Projects

Department: Planning & Growth Management 30.07.32
Division \ Program: Capital Services Fund: Capital
Program Administrator: John Stevens, Chief of Capital Services

Expenditure Category	FY2015 Actual	FY2016 Adopted	FY2017 Proposed	FY2017 Adopted	\$ Change FY2016	% Chg.
Personal Services	\$1,313,442	\$1,478,700	\$1,444,200		(\$34,500)	-2.3%
Fringe Benefits	421,065	489,000	426,700		(62,300)	-12.7%
Operating Costs	52,525	126,700	103,700		(23,000)	-18.2%
Operating Contingency	0	0	30,300		30,300	NEW
Transfers Out (charged to capital projects)	(1,791,105)	(2,094,400)	(2,004,900)		89,500	-4.3%
Total Expenditures	(\$4,073)	\$0	\$0	\$0	\$0	N/A

Changes and Useful Information:

- **Personal Services** and **Fringe Benefits** decrease due to turnover. Pension decrease is due to actuarial plan assumption changes.
- The FY2016 **Operating Costs** budget was adjusted to current activity. Also includes the purchase of a replacement copier.
- **Operating Contingency** represents the equivalent cost of a potential employee merit increase for FY2017.

Description

The primary responsibility of the Capital Services (CS) Division is to ensure that the needs of the end users are met while incorporating quality design and construction principles and practices.

The CS Division provides professional project management services during the development and implementation of public infrastructure improvement projects within Charles County. Projects include but are not limited to roads, water, sewer, building/facility, and environmental projects. The CS Division is responsible for managing capital improvements projects from the conceptual stages, onto design and construction, and final completion. The CS Division actively participates annually in the budget development process by coordinating with other County Departments to establish estimated budgets to be submitted for consideration by the County Administrator.

Positions:

<u>Title</u>	<u>FY 2013 FTE</u>	<u>FY 2014 FTE</u>	<u>FY 2015 FTE</u>	<u>FY 2016 FTE</u>	<u>FY 2017 FTE</u>
Director of Planning & Growth Mgmt	0.3	0.3	0.3	0.3	0.3
Chief of Capital Services	1.0	1.0	1.0	1.0	1.0
Chief of Resource & Infrastructure Mgmt	0.2	0.2	0.2	0.2	0.2
Capital Services Program Manager	2.0	2.0	2.0	2.0	2.0
Resource Analyst - GIS	0.2	0.2	0.2	0.2	0.2
Administration Manager	0.3	0.3	0.3	0.3	0.3
Capital Services Senior Project Manager	3.0	4.0	4.0	4.0	4.0
Utilities Engineer	0.1	0.1	0.1	0.1	0.1
Planner I- III	0.7	0.7	0.7	0.7	0.7
Capital Services Project Manager I-II	3.0	3.0	3.0	3.0	3.0
Right of Way Agent I / II	2.0	2.0	2.0	2.0	2.0
Project Administrative Specialist	2.0	2.0	2.0	2.0	2.0
Administrative Associate	1.7	1.7	1.7	1.7	1.7
Office Associate I- III	1.3	2.0	2.0	2.0	2.0
Paralegal Supervisor	0.8	0.8	0.8	0.0	0.0
Part Time	0.2	0.2	0.2	0.2	0.2
Total Full Time Equivalent	18.7	20.4	20.4	19.6	19.6

Capital Projects

Department:	Planning & Growth Management		30.07.32
Division \ Program:	Capital Services	Fund:	Capital
Program Administrator:	John Stevens, Chief of Capital Services		

<u>Objectives & Measurements:</u>	FY13 Actual	FY14 Actual	FY15 Actual	FY16 Projected	FY17 Estimated
<i>Objective: to provide infrastructure planning, design and construction for roadways, water and wastewater systems, facilities and environment, as adopted in the County Master Plan.</i>					
# of active projects	88	63	75	75	79
Projects per FTE	6.3	4.2	5.8	5.4	5.7
\$'s expended for A&E	\$3,105,345	\$1,487,989	\$1,860,272	\$2,151,202	\$2,258,762
\$'s expended for ROW	\$1,783,751	\$1,611,195	\$881,674	\$1,425,540	\$1,468,306
\$'s expended for Construction	\$5,578,243	\$7,457,302	\$4,066,567	\$5,700,704	\$5,871,725
\$'s expended for Inspection	\$452,493	\$395,483	\$537,746	\$461,907	\$475,764
\$'s expended for Administration	\$531,548	\$532,346	\$531,886	\$531,927	\$547,885
\$'s expended for Other	\$133,498	\$556,862	\$738,162	\$476,174	\$490,459
\$'s expended on Change Orders (const.)	\$156,191	\$96,945	\$176,277	\$159,647	\$169,370
Change orders as % of construction costs	2.8%	1.3%	4.3%	2.8%	2.9%
# of contracts administered	176	254	290	240	247

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2017

(\$ in thousands)

PROJECT NAME:	Water User	50.0%	Requested By: DPW		
Automation & Technology Master Plan	Water Connection		Project #: 6081		
	Sewer User	50.0%			
	Sewer Connection				
	<p>This project request is the result of an extensive study in FY08 and FY09 by Westin Engineering to determine the Information Technology needs of the Utilities Division in order to bring it into the 21st century. The project will include emphasis on Supervisor, Control, and Data Acquisition (SCADA), regulatory compliance, data management, work management, and performance management, among other issues. The ultimate goal of this project is for the Department of Public Works - Utilities to accomplish its functions even in periods of growth without adding field staff and to make more efficient use of the resources currently available. Additional facility control, instrumentation, and communication improvements have been determined necessary through further evaluation and design of the SCADA system than originally scoped resulting in an overall project increase.</p>				
VARIANCE TO APPROVED PER FY16-FY20 CAPITAL IMPROVEMENT PROGRAM:					
	FY 2017	FY 2018	FY 2019	FY 2020	TOTAL
Approved FY16-FY20 CIP	\$1,939	\$2,018	\$2,292	\$2,037	\$8,286
Increase/(Decrease)	\$0	\$0	\$0	\$0	\$0
% change	0.0%	0.0%	0.0%	0.0%	0.0%

EXPENSE BUDGET	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year			
						Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Architectural & Engineering	\$825	\$905	\$1,180	\$925	\$0	\$3,835	\$5,636	\$0	\$9,471
Land & ROW	0	0	0	0	0	0	0	0	0
Construction	815	815	815	815	0	3,260	3,616	0	6,876
Equipment	125	125	125	125	0	500	1,521	0	2,021
Administration	44	43	43	43	0	173	288	0	461
Administration - FAS	3	3	3	3	0	12	15	0	27
Inspection	45	45	44	44	0	178	350	0	528
Miscellaneous	0	0	0	0	0	0	0	0	0
Contingency	82	82	82	82	0	328	0	0	328
Total Outlay	\$1,939	\$2,018	\$2,292	\$2,037	\$0	\$8,286	\$11,426	\$0	\$19,712

FINANCING SOURCES		FY 2017	FY 2018	FY 2019	FY 2020	FY 2021				
Bonds (10 Year)							\$1,939	\$2,018	\$2,292	\$2,037
Fund Balance Appropriation		0	0	0	0	0	0	0	0	0
Operating Transfer		0	0	0	0	0	0	0	0	0
Total County Funding		\$1,939	\$2,018	\$2,292	\$2,037	\$0	\$8,286	\$11,342	\$0	\$19,628
Federal		0	0	0	0	0	0	0	0	0
State		0	0	0	0	0	0	50	0	50
Other: WSSC		0	0	0	0	0	0	34	0	34
Other:		0	0	0	0	0	0	0	0	0
Total Funding		\$1,939	\$2,018	\$2,292	\$2,037	\$0	\$8,286	\$11,426	\$0	\$19,712

Operating Budget Impact	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Approp. Beyond	
						thru FY16	FY 2021
No. of Personnel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Personnel Costs	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0						
Debt Service: Bonds	1,322.9	1,557.8	1,802.9	2,081.2	2,328.7	1,322.9	2,328.7
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$1,322.9	\$1,557.8	\$1,802.9	\$2,081.2	\$2,328.7	\$1,322.9	\$2,328.7
Increase to Water User Fee:	30.2¢	35.0¢	39.8¢	45.2¢	49.8¢	30.2¢	49.0¢
Increase to Sewer User Fee:	29.4¢	30.1¢	34.3¢	37.1¢	40.9¢	29.4¢	40.3¢
Combined Fee Increase:	59.5¢	65.0¢	74.1¢	82.3¢	90.7¢	59.5¢	89.3¢

LOCATION:
County-wide

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2017

(\$ in thousands)

PROJECT NAME: Underground Infrastructure Repairs	Water User 100% Water Connection 0%	Requested By: DPW Project #: 6105			
<p>Excavate and replace corroded bonnet bolts on underground valves in Lexington, Wexford, and other areas of the County. The bolts are only 11 years old but have already begun to fail because stainless steel was not used in the original construction. Also need to excavate and replace corroded steel service saddles in Pinefield which are approaching 40 years of service life. These have begun to fail and repairing them only as breaks occur results in unscheduled outages, unplanned emergency repair work involving larger excavations, and more extensive restoration, all of which are far more costly.</p>					
VARIANCE TO APPROVED PER FY16-FY20 CAPITAL IMPROVEMENT PROGRAM:					
	FY 2017	FY 2018	FY 2019	FY 2020	TOTAL
Approved FY16-FY20 CIP	\$718	\$718	\$718	\$718	\$2,872
Increase/(Decrease)	\$0	\$0	\$0	\$0	\$0
% change	0.0%	0.0%	0.0%	0.0%	0.0%

EXPENSE BUDGET	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year			
						Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Architectural & Engineering	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Land & ROW	0	0	0	0	0	0	0	0	0
Construction	650	650	650	650	650	3,250	1,150	650	5,050
Equipment	0	0	0	0	0	0	0	0	0
Administration	0	0	0	0	0	0	0	0	0
Administration - FAS	3	3	3	3	3	15	6	3	24
Inspection	0	0	0	0	0	0	0	0	0
Miscellaneous	0	0	0	0	0	0	0	0	0
Contingency	65	65	65	65	65	325	115	65	505
Total Outlay	\$718	\$718	\$718	\$718	\$718	\$3,590	\$1,271	\$718	\$5,579

FINANCING SOURCES	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Bonds (15 Year)	\$718	\$718	\$718	\$718	\$718	\$3,590	\$1,271	\$718	\$5,579
Fund Balance Appropriation	0	0	0	0	0	0	0	0	0
Operating Transfer	0	0	0	0	0	0	0	0	0
Total County Funding	\$718	\$718	\$718	\$718	\$718	\$3,590	\$1,271	\$718	\$5,579
Federal	0	0	0	0	0	0	0	0	0
State	0	0	0	0	0	0	0	0	0
Other:	0	0	0	0	0	0	0	0	0
Total Funding	\$718	\$718	\$718	\$718	\$718	\$3,590	\$1,271	\$718	\$5,579

Operating Budget Impact	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Approp. thru FY16	Beyond FY 2021
No. of Personnel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Personnel Costs	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	105.7	168.7	231.9	295.2	358.4	105.7	484.9
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$105.7	\$168.7	\$231.9	\$295.2	\$358.4	\$105.7	\$484.9
Increase to Water User Fee:	4.8¢	7.6¢	10.2¢	12.8¢	15.3¢	4.8¢	20.4¢

LOCATION: Development District
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REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2017

(\$ in thousands)

PROJECT NAME: Water Model Update	Water User 55%	Requested By: PGM			
	Water Connection 45%	Project #: 6090			
<p>To update the current County Water Model by including newly installed water utilities and verifying the system stability and deficiencies. The County anticipates having to make changes to our traditional operations of our water system, due to concerns with water supply in certain geographic areas. FY 2017's Architectural & Engineering request is to perform an evaluation of existing County well infrastructure is needed to determine capacity limitations and maintenance needs of the public water systems. This analysis will provide the updated data for the County Water Model to assist in determining system limitations and determining necessary improvements.</p>					
VARIANCE TO APPROVED PER FY16-FY20 CAPITAL IMPROVEMENT PROGRAM:					
	FY 2017	FY 2018	FY 2019	FY 2020	TOTAL
Approved FY16-FY20 CIP	\$98	\$98	\$98	\$98	\$392
Increase/(Decrease)	\$33	\$0	\$0	\$0	\$33
% change	33.7%	0.0%	0.0%	0.0%	8.4%

EXPENSE BUDGET	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year			
						Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Architectural & Engineering	\$60	\$27	\$27	\$27	\$27	\$168	\$274	\$27	\$469
Land & ROW	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0
Equipment	0	0	0	0	0	0	0	0	0
Administration	65	65	65	65	65	325	111	68	504
Administration - FAS	3	3	3	3	3	15	13	0	28
Inspection	0	0	0	0	0	0	0	0	0
Miscellaneous	0	0	0	0	0	0	0	0	0
Contingency	3	3	3	3	3	15	33	3	51
Total Outlay	\$131	\$98	\$98	\$98	\$98	\$523	\$430	\$98	\$1,051

FINANCING SOURCES		FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year			
							Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Bonds (15 Year)		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Fund Balance Appropriation		0	0	0	0	0	0	0	0	
Operating Transfer		131	98	98	98	98	523	430	98	
Total County Funding		\$131	\$98	\$98	\$98	\$98	\$523	\$430	\$98	
Federal		0	0	0	0	0	0	0	0	
State		0	0	0	0	0	0	0	0	
Other:		0	0	0	0	0	0	0	0	
Total Funding		\$131	\$98	\$98	\$98	\$98	\$523	\$430	\$98	

Operating Budget Impact	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Approp. Beyond	
						thru FY16	FY 2021
No. of Personnel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Personnel Costs	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Increase to Water User Fee:	0.8¢	-0.8¢	0.0¢	0.0¢	0.0¢	2.5¢	0.0¢

LOCATION:
County-wide

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2017

(\$ in thousands)

PROJECT NAME: South County Water Transmission Main	Water User 95%	Requested By: DPW/PGM			
	Water Connection 5%	Project #: 6101			
Interconnection of the Waldorf Water System with satellite water systems in the southern region of the County to continue to provide a healthy, sustainable water supply. This project will also help control rising costs associated with operating and maintaining multiple small satellite community water systems once the interconnection is completed.					
VARIANCE TO APPROVED PER FY16-FY20 CAPITAL IMPROVEMENT PROGRAM:					
	FY 2017	FY 2018	FY 2019	FY 2020	TOTAL
Approved FY16-FY20 CIP	\$565	\$0	\$4,068	\$4,068	\$8,701
Increase/(Decrease)	\$125	\$1,703	(\$2,365)	(\$2,365)	(\$2,902)
% change	22.1%	new	-58.1%	-58.1%	-33.4%

EXPENSE BUDGET	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year			
						Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Architectural & Engineering	\$550	\$135	\$135	\$135	\$425	\$1,380	\$200	\$375	\$1,955
Land & ROW	125	0	0	0	0	125	0	0	125
Construction	0	1,325	1,325	1,325	1,325	5,300	0	2,875	8,175
Equipment	0	0	0	0	0	0	0	0	0
Administration	12	12	12	12	12	60	11	12	83
Administration - FAS	3	3	3	3	3	15	6	3	24
Inspection	0	95	95	95	95	380	0	145	525
Miscellaneous	0	0	0	0	0	0	0	0	0
Contingency	0	133	133	133	133	532	0	288	820
Total Outlay	\$690	\$1,703	\$1,703	\$1,703	\$1,993	\$7,792	\$217	\$3,698	\$11,707

FINANCING SOURCES	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year			
						Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Bonds (15 Year)	\$690	\$1,703	\$1,703	\$1,703	\$1,993	\$7,792	\$217	\$3,698	\$11,707
Fund Balance Appropriation	0	0	0	0	0	0	0	0	0
Operating Transfer	0	0	0	0	0	0	0	0	0
Total County Funding	\$690	\$1,703	\$1,703	\$1,703	\$1,993	\$7,792	\$217	\$3,698	\$11,707
Federal	0	0	0	0	0	0	0	0	0
State	0	0	0	0	0	0	0	0	0
Other:	0	0	0	0	0	0	0	0	0
Total Funding	\$690	\$1,703	\$1,703	\$1,703	\$1,993	\$7,792	\$217	\$3,698	\$11,707

Operating Budget Impact	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Approp. Beyond	
						thru FY16	FY 2021
No. of Personnel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Personnel Costs	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	18.0	78.6	228.6	378.5	528.5	18.0	1,029.7
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$18.0	\$78.6	\$228.6	\$378.5	\$528.5	\$18.0	\$1,029.7
Increase to Water User Fee:	0.8¢	3.4¢	9.6¢	15.6¢	21.5¢	0.8¢	41.1¢

LOCATION:
Southern portion of the County

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2017

(\$ in thousands)

PROJECT NAME: Satellite Water Facility Upgrades	Water User 100%	Requested By: DPW																								
	Water Connection 0%	Project #: 6093																								
<p>To provide necessary upgrades to various satellite water facilities that include, but are not limited to the following: Install generator with automatic transfer switch for power distribution system reliability at the following sites: Swan Point, Bel Alton, Spring Valley, Beantown Woodley, Newtown Village, Mariellen, Ellenwood, St. Anne's, electrical/mechanical equipment replacement at Swan Pt. Wells #1 & #2, Newtown Village, Jude House Reverse Osmosis system, coating replacement at Chapel Pt. Woods standpipe, Jude House Well Replacement, and installation of additional standpipe at Chapel Pt. Woods.</p>																										
VARIANCE TO APPROVED PER FY16-FY20 CAPITAL IMPROVEMENT PROGRAM:																										
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>FY 2017</th> <th>FY 2018</th> <th>FY 2019</th> <th>FY 2020</th> <th>TOTAL</th> </tr> </thead> <tbody> <tr> <td>Approved FY16-FY20 CIP</td> <td style="text-align: right;">\$661</td> <td style="text-align: right;">\$661</td> <td style="text-align: right;">\$661</td> <td style="text-align: right;">\$661</td> <td style="text-align: right;">\$2,644</td> </tr> <tr> <td>Increase/(Decrease)</td> <td style="text-align: right;">\$50</td> <td style="text-align: right;">\$50</td> <td style="text-align: right;">\$50</td> <td style="text-align: right;">\$50</td> <td style="text-align: right;">\$200</td> </tr> <tr> <td>% change</td> <td style="text-align: right;">7.6%</td> </tr> </tbody> </table>		FY 2017	FY 2018	FY 2019	FY 2020	TOTAL	Approved FY16-FY20 CIP	\$661	\$661	\$661	\$661	\$2,644	Increase/(Decrease)	\$50	\$50	\$50	\$50	\$200	% change	7.6%	7.6%	7.6%	7.6%	7.6%	<p><i>Additional A&E is needed to cover increased design and construction engineering costs. Cost increase is also including use of contract project management resources for some of the projects.</i></p>
	FY 2017	FY 2018	FY 2019	FY 2020	TOTAL																					
Approved FY16-FY20 CIP	\$661	\$661	\$661	\$661	\$2,644																					
Increase/(Decrease)	\$50	\$50	\$50	\$50	\$200																					
% change	7.6%	7.6%	7.6%	7.6%	7.6%																					

EXPENSE BUDGET	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year			
						Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Architectural & Engineering	\$125	\$125	\$125	\$125	\$125	\$625	\$480	\$125	\$1,230
Land & ROW	0	0	0	0	0	0	0	0	0
Construction	475	475	475	475	475	2,375	1,845	475	4,695
Equipment	0	0	0	0	0	0	0	0	0
Administration	12	12	12	12	12	60	0	12	72
Administration - FAS	3	3	3	3	3	15	68	3	86
Inspection	48	48	48	48	48	240	327	48	615
Miscellaneous	0	0	0	0	0	0	0	0	0
Contingency	48	48	48	48	48	240	197	48	485
Total Outlay	\$711	\$711	\$711	\$711	\$711	\$3,555	\$2,917	\$711	\$7,183

FINANCING SOURCES		FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year			
							Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Bonds (15 Year)		\$711	\$711	\$711	\$711	\$711	\$3,555	\$2,917	\$711	\$7,183
Fund Balance Appropriation		0	0	0	0	0	0	0	0	0
Operating Transfer		0	0	0	0	0	0	0	0	0
Total County Funding		\$711	\$711	\$711	\$711	\$711	\$3,555	\$2,917	\$711	\$7,183
Federal		0	0	0	0	0	0	0	0	0
State		0	0	0	0	0	0	0	0	0
Other:		0	0	0	0	0	0	0	0	0
Total Funding		\$711	\$711	\$711	\$711	\$711	\$3,555	\$2,917	\$711	\$7,183

Operating Budget Impact	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Approp. Beyond	
						thru FY16	FY 2021
No. of Personnel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Personnel Costs	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0						
Debt Service: Bonds	242.6	305.0	367.6	430.2	492.8	242.6	618.0
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$242.6	\$305.0	\$367.6	\$430.2	\$492.8	\$242.6	\$618.0
Increase to Water User Fee:	11.1¢	13.7¢	16.2¢	18.7¢	21.1¢	11.1¢	26.0¢

LOCATION:
Various locations, see description above

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2017

(\$ in thousands)

PROJECT NAME: Bensville Water Tower No. 8	Water User Water Connection	0% 100%	Requested By: PGM Project #: 6107		
<p>As described in the Charles County Water & Sewer Engineering & Operations Plan, a 2 million gallon water storage tower will be needed in the Bensville area in 2020. The project will provide funding for preliminary engineering, design, and construction of a 2 MGD water storage tower.</p>					
VARIANCE TO APPROVED PER FY16-FY20 CAPITAL IMPROVEMENT PROGRAM:					
	FY 2017	FY 2018	FY 2019	FY 2020	TOTAL
Approved FY16-FY20 CIP	\$1,930	\$1,930	\$0	\$0	\$3,860
Increase/(Decrease)	\$321	\$0	\$0	\$0	\$321
% change	16.6%	0.0%	n/a	n/a	8.3%

EXPENSE BUDGET	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year			
						Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Architectural & Engineering	\$0	\$0	\$0	\$0	\$0	\$0	\$500	\$0	\$500
Land & ROW	300	0	0	0	0	300	10	0	310
Construction	1,667	1,666	0	0	0	3,333	1,667	0	5,000
Equipment	0	0	0	0	0	0	0	0	0
Administration	98	77	0	0	0	175	94	0	269
Administration - FAS	3	3	0	0	0	6	6	0	12
Inspection	40	40	0	0	0	80	40	0	120
Miscellaneous	10	10	0	0	0	20	15	0	35
Contingency	133	134	0	0	0	267	133	0	400
Total Outlay	\$2,251	\$1,930	\$0	\$0	\$0	\$4,181	\$2,465	\$0	\$6,646

FINANCING SOURCES		FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year			
							Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Bonds (15 Year)		\$2,251	\$1,930	\$0	\$0	\$0	\$4,181	\$2,465	\$0	\$6,646
Fund Balance Appropriation		0	0	0	0	0	0	0	0	0
Operating Transfer		0	0	0	0	0	0	0	0	0
Total County Funding		\$2,251	\$1,930	\$0	\$0	\$0	\$4,181	\$2,465	\$0	\$6,646
Federal		0	0	0	0	0	0	0	0	0
State		0	0	0	0	0	0	0	0	0
Other:		0	0	0	0	0	0	0	0	0
Total Funding		\$2,251	\$1,930	\$0	\$0	\$0	\$4,181	\$2,465	\$0	\$6,646

Operating Budget Impact	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Approp. Beyond	
						thru FY16	FY 2021
No. of Personnel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Personnel Costs	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0						
Debt Service: Bonds	205.0	402.5	572.5	572.5	572.5	205.0	572.5
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$205.0	\$402.5	\$572.5	\$572.5	\$572.5	\$205.0	\$572.5
Increase to Water User Fee:	0.0¢						

LOCATION:
Bensville Road corridor north of Billingsley Road

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2017

(\$ in thousands)

PROJECT NAME: Pinefield Water Tower Rehabilitation	Water User Water Connection	100% 0%	Requested By: PGM Project #:		
<p>The 1 MG Pinefield Water Tower is in need of rehabilitation. This project will include a preliminary assessment inspection and report, evaluation, recoating, and miscellaneous repairs.</p>					
VARIANCE TO APPROVED PER FY16-FY20 CAPITAL IMPROVEMENT PROGRAM:					
	FY 2017	FY 2018	FY 2019	FY 2020	TOTAL
Approved FY16-FY20 CIP	\$90	\$568	\$568	\$0	\$1,226
Increase/(Decrease)	\$0	\$0	\$0	\$0	\$0
% change	0.0%	0.0%	0.0%	n/a	0.0%

EXPENSE BUDGET	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year			
						Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Architectural & Engineering	\$70	\$0	\$0	\$0	\$0	\$70	\$0	\$0	\$70
Land & ROW	0	0	0	0	0	0	0	0	0
Construction	0	453	453	0	0	906	0	0	906
Equipment	0	0	0	0	0	0	0	0	0
Administration	7	36	36	0	0	79	0	0	79
Administration - FAS	3	3	3	0	0	9	0	0	9
Inspection	0	30	30	0	0	60	0	0	60
Miscellaneous	10	0	0	0	0	10	0	0	10
Contingency	0	46	46	0	0	92	0	0	92
Total Outlay	\$90	\$568	\$568	\$0	\$0	\$1,226	\$0	\$0	\$1,226

FINANCING SOURCES		FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year			
							Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Bonds (15 Year)		\$90	\$568	\$568	\$0	\$0	\$1,226	\$0	\$0	\$1,226
Fund Balance Appropriation		0	0	0	0	0	0	0	0	0
Operating Transfer		0	0	0	0	0	0	0	0	0
Total County Funding		\$90	\$568	\$568	\$0	\$0	\$1,226	\$0	\$0	\$1,226
Federal		0	0	0	0	0	0	0	0	0
State		0	0	0	0	0	0	0	0	0
Other:		0	0	0	0	0	0	0	0	0
Total Funding		\$90	\$568	\$568	\$0	\$0	\$1,226	\$0	\$0	\$1,226

Operating Budget Impact	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Approp. Beyond	
						thru FY16	FY 2021
No. of Personnel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Personnel Costs	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	0.0	7.9	57.9	107.9	107.9	0.0	107.9
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$0.0	\$7.9	\$57.9	\$107.9	\$107.9	\$0.0	\$107.9
Increase to Water User Fee:	0.0¢	0.4¢	2.6¢	4.7¢	4.6¢	0.0¢	4.5¢

LOCATION:
Pinefield, Charles County

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2017

(\$ in thousands)

PROJECT NAME: Gleneagles 2MG Water Tower	Water User Water Connection	0% 100%	Requested By: PGM Project #: 6109		
Additional fire storage volume and another tank is needed to equalize pressure in the water distribution system along Rosewick Road. Residents are experiencing low water pressure. This project is for the acquisition of a tower site, design, and construction based on a study performed in 2010.					
VARIANCE TO APPROVED PER FY16-FY20 CAPITAL IMPROVEMENT PROGRAM:					
	FY 2017	FY 2018	FY 2019	FY 2020	TOTAL
Approved FY16-FY20 CIP	\$0	\$1,850	\$1,850	\$1,849	\$5,549
Increase/(Decrease)	\$0	\$0	\$0	\$0	\$0
% change	n/a	0.0%	0.0%	0.0%	0.0%

EXPENSE BUDGET	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year			
						Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Architectural & Engineering	\$0	\$0	\$0	\$0	\$0	\$0	\$500	\$0	\$500
Land & ROW	0	0	0	0	0	0	150	0	150
Construction	0	1,667	1,667	1,666	0	5,000	0	0	5,000
Equipment	0	0	0	0	0	0	0	0	0
Administration	0	60	60	60	0	180	50	0	230
Administration - FAS	0	3	3	3	0	9	3	0	12
Inspection	0	30	30	30	0	90	0	0	90
Miscellaneous	0	0	0	0	0	0	10	0	10
Contingency	0	90	90	90	0	270	0	0	270
Total Outlay	\$0	\$1,850	\$1,850	\$1,849	\$0	\$5,549	\$713	\$0	\$6,262

FINANCING SOURCES		FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year			
							Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Bonds (15 Year)		\$0	\$1,850	\$1,850	\$1,849	\$0	\$5,549	\$713	\$0	\$6,262
Fund Balance Appropriation		0	0	0	0	0	0	0	0	0
Operating Transfer		0	0	0	0	0	0	0	0	0
Total County Funding		\$0	\$1,850	\$1,850	\$1,849	\$0	\$5,549	\$713	\$0	\$6,262
Federal		0	0	0	0	0	0	0	0	0
State		0	0	0	0	0	0	0	0	0
Other:		0	0	0	0	0	0	0	0	0
Total Funding		\$0	\$1,850	\$1,850	\$1,849	\$0	\$5,549	\$713	\$0	\$6,262

Operating Budget Impact	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Approp. Beyond	
						thru FY16	FY 2021
No. of Personnel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Personnel Costs	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	59.3	59.3	222.2	385.1	548.0	59.3	548.0
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$59.3	\$59.3	\$222.2	\$385.1	\$548.0	\$59.3	\$548.0
Increase to Water User Fee:	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢

LOCATION:
St. Charles, Rosewick Road (proposed location)

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2017

(\$ in thousands)

PROJECT NAME: Waldorf Fire House Water Tower Replacement	Water User 10% Water Connection 90%	Requested By: PGM Project #: 6110			
<p>Based on a water distribution study performed in 2010, a new two (2) million gallon water tower is needed in the Waldorf Area to provide additional fire storage volume and equalize pressure in the system. An existing 100,000 gallon tank is scheduled to be relocated from the Fire House. This project will identify and acquire a suitable site for a new water tower, design, and construct an elevated water tower for the Waldorf water system.</p>					
VARIANCE TO APPROVED PER FY16-FY20 CAPITAL IMPROVEMENT PROGRAM:					
	FY 2017	FY 2018	FY 2019	FY 2020	TOTAL
Approved FY16-FY20 CIP	\$1,850	\$1,849	\$0	\$0	\$3,699
Increase/(Decrease)	(\$1,850)	\$1	\$1,849	\$0	\$0
% change	-100.0%	0.1%	new	n/a	0.0%

EXPENSE BUDGET	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year			
						Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Architectural & Engineering	\$0	\$0	\$0	\$0	\$0	\$0	\$500	\$0	\$500
Land & ROW	0	0	0	0	0	0	250	0	250
Construction	0	1,667	1,666	0	0	3,333	1,667	0	5,000
Equipment	0	0	0	0	0	0	0	0	0
Administration	0	60	60	0	0	120	117	0	237
Administration - FAS	0	3	3	0	0	6	6	0	12
Inspection	0	30	30	0	0	60	30	0	90
Miscellaneous	0	0	0	0	0	0	10	0	10
Contingency	0	90	90	0	0	180	90	0	270
Total Outlay	\$0	\$1,850	\$1,849	\$0	\$0	\$3,699	\$2,670	\$0	\$6,369

FINANCING SOURCES		FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year			
							Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Bonds (15 Year)		\$0	\$1,850	\$1,849	\$0	\$0	\$3,699	\$2,670	\$0	\$6,369
Fund Balance Appropriation		0	0	0	0	0	0	0	0	0
Operating Transfer		0	0	0	0	0	0	0	0	0
Total County Funding		\$0	\$1,850	\$1,849	\$0	\$0	\$3,699	\$2,670	\$0	\$6,369
Federal		0	0	0	0	0	0	0	0	0
State		0	0	0	0	0	0	0	0	0
Other:		0	0	0	0	0	0	0	0	0
Total Funding		\$0	\$1,850	\$1,849	\$0	\$0	\$3,699	\$2,670	\$0	\$6,369

Operating Budget Impact	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Approp. Beyond	
						thru FY16	FY 2021
No. of Personnel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Personnel Costs	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0						
Debt Service: Bonds	222.0	222.0	385.0	547.8	547.8	222.0	547.8
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$222.0	\$222.0	\$385.0	\$547.8	\$547.8	\$222.0	\$547.8
Increase to Water User Fee:	1.0¢	1.0¢	1.7¢	2.4¢	2.3¢	1.0¢	2.3¢

LOCATION:
Waldorf, MD

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2017

(\$ in thousands)

PROJECT NAME: White Plains 2MG Water Tower	Water User Water Connection	0% 100%	Requested By: PGM Project #:		
<p>Based on a study performed in 2010, a new two (2) million gallon water tower is needed in the White Plains area to provide additional fire storage volume and to equalize pressure in the system. This project will identify and acquire a suitable site for a new tower, design, and construct an elevated water tower.</p>					
VARIANCE TO APPROVED PER FY16-FY20 CAPITAL IMPROVEMENT PROGRAM:					
	FY 2017	FY 2018	FY 2019	FY 2020	TOTAL
Approved FY16-FY20 CIP	\$0	\$0	\$713	\$1,850	\$2,563
Increase/(Decrease)	\$0	\$0	\$0	\$0	\$0
% change	n/a	n/a	0.0%	0.0%	0.0%

EXPENSE BUDGET	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year			
						Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Architectural & Engineering	\$0	\$0	\$500	\$0	\$0	\$500	\$0	\$0	\$500
Land & ROW	0	0	150	0	0	150	0	0	150
Construction	0	0	0	1,667	0	1,667	0	3,333	5,000
Equipment	0	0	0	0	0	0	0	0	0
Administration	0	0	50	60	0	110	0	123	233
Administration - FAS	0	0	3	3	0	6	0	3	9
Inspection	0	0	0	30	0	30	0	60	90
Miscellaneous	0	0	10	0	0	10	0	0	10
Contingency	0	0	0	90	0	90	0	180	270
Total Outlay	\$0	\$0	\$713	\$1,850	\$0	\$2,563	\$0	\$3,699	\$6,262

FINANCING SOURCES		FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year			
							Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Bonds (15 Year)		\$0	\$0	\$713	\$1,850	\$0	\$2,563	\$0	\$3,699	\$6,262
Fund Balance Appropriation		0	0	0	0	0	0	0	0	0
Operating Transfer		0	0	0	0	0	0	0	0	0
Total County Funding		\$0	\$0	\$713	\$1,850	\$0	\$2,563	\$0	\$3,699	\$6,262
Federal		0	0	0	0	0	0	0	0	0
State		0	0	0	0	0	0	0	0	0
Other:		0	0	0	0	0	0	0	0	0
Total Funding		\$0	\$0	\$713	\$1,850	\$0	\$2,563	\$0	\$3,699	\$6,262

Operating Budget Impact	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Approp. Beyond	
						thru FY16	FY 2021
No. of Personnel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Personnel Costs	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	0.0	0.0	0.0	62.8	225.7	0.0	551.5
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$0.0	\$0.0	\$0.0	\$62.8	\$225.7	\$0.0	\$551.5
Increase to Water User Fee:	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢

LOCATION:
While Plains, MD

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2017

(\$ in thousands)

PROJECT NAME: Settle Woods Water Tower Rehabilitation	Water User Water Connection	100% 0%	Requested By: PGM Project #:		
<p>The 500K-Gallon Settle Woods Water Tower is in need of rehabilitation to include a preliminary assessment inspection and report, evaluation, recoating, and miscellaneous repairs.</p>					
VARIANCE TO APPROVED PER FY16-FY20 CAPITAL IMPROVEMENT PROGRAM:					
	FY 2017	FY 2018	FY 2019	FY 2020	TOTAL
Approved FY16-FY20 CIP	\$67	\$309	\$309	\$0	\$685
Increase/(Decrease)	\$0	\$0	\$0	\$0	\$0
% change	0.0%	0.0%	0.0%	n/a	0.0%

EXPENSE BUDGET	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year			
						Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Architectural & Engineering	\$50	\$0	\$0	\$0	\$0	\$50	\$0	\$0	\$50
Land & ROW	0	0	0	0	0	0	0	0	0
Construction	0	250	250	0	0	500	0	0	500
Equipment	0	0	0	0	0	0	0	0	0
Administration	7	22	19	0	0	48	0	0	48
Administration - FAS	0	0	3	0	0	3	0	0	3
Inspection	0	12	12	0	0	24	0	0	24
Miscellaneous	10	0	0	0	0	10	0	0	10
Contingency	0	25	25	0	0	50	0	0	50
Total Outlay	\$67	\$309	\$309	\$0	\$0	\$685	\$0	\$0	\$685

FINANCING SOURCES		FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year			
							Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Bonds (15 Year)		\$67	\$309	\$309	\$0	\$0	\$685	\$0	\$0	\$685
Fund Balance Appropriation		0	0	0	0	0	0	0	0	0
Operating Transfer		0	0	0	0	0	0	0	0	0
Total County Funding		\$67	\$309	\$309	\$0	\$0	\$685	\$0	\$0	\$685
Federal		0	0	0	0	0	0	0	0	0
State		0	0	0	0	0	0	0	0	0
Other:		0	0	0	0	0	0	0	0	0
Total Funding		\$67	\$309	\$309	\$0	\$0	\$685	\$0	\$0	\$685

Operating Budget Impact	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Approp. Beyond	
						thru FY16	FY 2021
No. of Personnel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Personnel Costs	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	0.0	5.9	33.1	60.3	60.3	0.0	60.3
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$0.0	\$5.9	\$33.1	\$60.3	\$60.3	\$0.0	\$60.3
Increase to Water User Fee:	0.0¢	0.3¢	1.5¢	2.6¢	2.6¢	0.0¢	2.5¢

LOCATION:
Settle Woods, Waldorf, MD

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2017

(\$ in thousands)

PROJECT NAME: Bryans Road 2MG Water Tower	Water User Water Connection	0% 100%	Requested By: PGM Project #:		
<p>The Bryans Road has only a single tower providing system pressure and fire storage to the area's water system. An additional storage tower is needed to provide redundancy to the public water system. This project will provide the design and construction of a two (2) million gallon elevated water tower.</p>					
VARIANCE TO APPROVED PER FY16-FY20 CAPITAL IMPROVEMENT PROGRAM:					
	FY 2017	FY 2018	FY 2019	FY 2020	TOTAL
Approved FY16-FY20 CIP	\$0	\$350	\$1,223	\$1,223	\$2,796
Increase/(Decrease)	\$0	\$0	\$0	\$0	\$0
% change	n/a	0.0%	0.0%	0.0%	0.0%

EXPENSE BUDGET	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year			
						Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Architectural & Engineering	\$0	\$300	\$0	\$0	\$0	\$300	\$0	\$0	\$300
Land & ROW	0	7	0	0	0	7	0	0	7
Construction	0	0	1,000	1,000	0	2,000	0	1,000	3,000
Equipment	0	0	0	0	0	0	0	0	0
Administration	0	25	77	77	0	179	0	77	256
Administration - FAS	0	3	3	3	0	9	0	3	12
Inspection	0	0	33	33	0	66	0	33	99
Miscellaneous	0	0	10	10	0	20	0	10	30
Contingency	0	15	100	100	0	215	0	100	315
Total Outlay	\$0	\$350	\$1,223	\$1,223	\$0	\$2,796	\$0	\$1,223	\$4,019

FINANCING SOURCES		FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year			
							Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Bonds (15 Year)		\$0	\$350	\$1,223	\$1,223	\$0	\$2,796	\$0	\$1,223	\$4,019
Fund Balance Appropriation		0	0	0	0	0	0	0	0	0
Operating Transfer		0	0	0	0	0	0	0	0	0
Total County Funding		\$0	\$350	\$1,223	\$1,223	\$0	\$2,796	\$0	\$1,223	\$4,019
Federal		0	0	0	0	0	0	0	0	0
State		0	0	0	0	0	0	0	0	0
Other:		0	0	0	0	0	0	0	0	0
Total Funding		\$0	\$350	\$1,223	\$1,223	\$0	\$2,796	\$0	\$1,223	\$4,019

Operating Budget Impact	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Approp. Beyond	
						thru FY16	FY 2021
No. of Personnel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Personnel Costs	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	0.0	0.0	30.8	138.5	246.2	0.0	353.9
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$0.0	\$0.0	\$30.8	\$138.5	\$246.2	\$0.0	\$353.9
Increase to Water User Fee:	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢

LOCATION:
Md. Route 224 at Bumpy Oak Road

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2017

(\$ in thousands)

PROJECT NAME: Bensville Road Water Line Extension	Water User Water Connection	0% 100%	Requested By: PGM Project #:		
<p>Design and construct approximately 6,800 linear feet extension of existing 16" waterline along Bensville Road from Elsa Avenue to Robey Manor Drive. This will initiate the development of a future interconnection of the Bryans Road and Waldorf water systems. This line will also provide public water service to Robey Manor if needed.</p>					
VARIANCE TO APPROVED PER FY16-FY20 CAPITAL IMPROVEMENT PROGRAM:					
	FY 2017	FY 2018	FY 2019	FY 2020	TOTAL
Approved FY16-FY20 CIP	\$0	\$0	\$403	\$1,649	\$2,052
Increase/(Decrease)	\$0	\$0	\$0	\$0	\$0
% change	n/a	n/a	0.0%	0.0%	0.0%

EXPENSE BUDGET	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Architectural & Engineering	\$0	\$0	\$136	\$0	\$0	\$136	\$0	\$0	\$136
Land & ROW	0	0	204	0	0	204	0	0	204
Construction	0	0	0	1,360	0	1,360	0	0	1,360
Equipment	0	0	0	0	0	0	0	0	0
Administration	0	0	28	104	0	132	0	0	132
Administration - FAS	0	0	3	3	0	6	0	0	6
Inspection	0	0	0	41	0	41	0	0	41
Miscellaneous	0	0	15	5	0	20	0	0	20
Contingency	0	0	17	136	0	153	0	0	153
Total Outlay	\$0	\$0	\$403	\$1,649	\$0	\$2,052	\$0	\$0	\$2,052

FINANCING SOURCES	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Bonds (15 Year)	\$0	\$0	\$403	\$1,649	\$0	\$2,052	\$0	\$0	\$2,052
Fund Balance Appropriation	0	0	0	0	0	0	0	0	0
Operating Transfer	0	0	0	0	0	0	0	0	0
Total County Funding	\$0	\$0	\$403	\$1,649	\$0	\$2,052	\$0	\$0	\$2,052
Federal	0	0	0	0	0	0	0	0	0
State	0	0	0	0	0	0	0	0	0
Other:	0	0	0	0	0	0	0	0	0
Total Funding	\$0	\$0	\$403	\$1,649	\$0	\$2,052	\$0	\$0	\$2,052

Operating Budget Impact	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Approp. thru FY16	Beyond FY 2021
No. of Personnel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Personnel Costs	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	0.0	0.0	0.0	35.5	180.7	0.0	180.7
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$0.0	\$0.0	\$0.0	\$35.5	\$180.7	\$0.0	\$180.7
Increase to Water User Fee:	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢

LOCATION: Bensville Road

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2017

(\$ in thousands)

PROJECT NAME:	Water User 50%	Requested By: PGM			
Bensville/Bryans Road Water Systems Interconnection Study	Water Connection 50%	Project #:			
<p>Conduct a study to determine the feasibility of extending the existing 16" water line from Bensville Road via the Indian Rail Trail and Livingston Rd to interconnect with the Bryans Rd Water System. The link between the Bryans Road and Waldorf water systems has been a long term goal to ease the burden on the aquifers in the western part of Charles County. The primary objective of this study will be to explore this and alternative routes for the water line.</p>					
VARIANCE TO APPROVED PER FY16-FY20 CAPITAL IMPROVEMENT PROGRAM:					
	FY 2017	FY 2018	FY 2019	FY 2020	TOTAL
Approved FY16-FY20 CIP	\$0	\$100	\$0	\$0	\$100
Increase/(Decrease)	\$0	\$0	\$0	\$0	\$0
% change	n/a	0.0%	n/a	n/a	0.0%

EXPENSE BUDGET	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year			
						Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Architectural & Engineering	\$0	\$83	\$0	\$0	\$0	\$83	\$0	\$0	\$83
Land & ROW	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0
Equipment	0	0	0	0	0	0	0	0	0
Administration	0	8	0	0	0	8	0	0	8
Administration - FAS	0	3	0	0	0	3	0	0	3
Inspection	0	0	0	0	0	0	0	0	0
Miscellaneous	0	6	0	0	0	6	0	0	6
Contingency	0	0	0	0	0	0	0	0	0
Total Outlay	\$0	\$100	\$0	\$0	\$0	\$100	\$0	\$0	\$100

FINANCING SOURCES		FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year			
							Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Bonds (15 Year)		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Fund Balance Appropriation		0	0	0	0	0	0	0	0	
Operating Transfer		0	100	0	0	0	100	0	100	
Total County Funding		\$0	\$100	\$0	\$0	\$0	\$100	\$0	\$100	
Federal		0	0	0	0	0	0	0	0	
State		0	0	0	0	0	0	0	0	
Other:		0	0	0	0	0	0	0	0	
Total Funding		\$0	\$100	\$0	\$0	\$0	\$100	\$0	\$100	

Operating Budget Impact	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Approp. Beyond	
						thru FY16	FY 2021
No. of Personnel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Personnel Costs	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Increase to Water User Fee:	0.0¢	2.2¢	-2.2¢	0.0¢	0.0¢	0.0¢	0.0¢

LOCATION:
Billingsley Road

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2017

(\$ in thousands)

PROJECT NAME: Hughesville Water Line	Water User Water Connection	0% 100%	Requested By: PGM Project #: 6114			
Design and construct 9,000 linear feet of water line in Hughesville, a system well and 400,000 water gallon tower to serve the village core.						
VARIANCE TO APPROVED PER FY16-FY20 CAPITAL IMPROVEMENT PROGRAM:						
	FY 2017	FY 2018	FY 2019	FY 2020	TOTAL	<i>Project scope was revised to include a system well and 400,000 water gallon tower.</i>
Approved FY16-FY20 CIP	\$2,195	\$0	\$0	\$0	\$2,195	
Increase/(Decrease)	(\$2,029)	\$2,061	\$2,061	\$0	\$2,093	
% change	-92.4%	new	new	n/a	95.4%	

EXPENSE BUDGET	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year			
						Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Architectural & Engineering	\$150	\$0	\$0	\$0	\$0	\$150	\$180	\$0	\$330
Land & ROW	0	0	0	0	0	0	270	0	270
Construction	0	1,700	1,700	0	0	3,400	0	0	3,400
Equipment	0	0	0	0	0	0	0	0	0
Administration	11	128	128	0	0	267	16	0	283
Administration - FAS	3	3	3	0	0	9	3	0	12
Inspection	0	43	43	0	0	86	0	0	86
Miscellaneous	2	17	17	0	0	36	15	0	51
Contingency	0	170	170	0	0	340	23	0	363
Total Outlay	\$166	\$2,061	\$2,061	\$0	\$0	\$4,288	\$507	\$0	\$4,795

FINANCING SOURCES		FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year			
							Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Bonds (15 Year)		\$166	\$2,061	\$2,061	\$0	\$0	\$4,288	\$507	\$0	\$4,795
Fund Balance Appropriation		0	0	0	0	0	0	0	0	0
Operating Transfer		0	0	0	0	0	0	0	0	0
Total County Funding		\$166	\$2,061	\$2,061	\$0	\$0	\$4,288	\$507	\$0	\$4,795
Federal		0	0	0	0	0	0	0	0	0
State		0	0	0	0	0	0	0	0	0
Other:		0	0	0	0	0	0	0	0	0
Total Funding		\$166	\$2,061	\$2,061	\$0	\$0	\$4,288	\$507	\$0	\$4,795

Operating Budget Impact	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Approp. Beyond	
						thru FY16	FY 2021
No. of Personnel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Personnel Costs	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	42.2	56.7	238.2	419.7	419.7	42.2	419.7
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$42.2	\$56.7	\$238.2	\$419.7	\$419.7	\$42.2	\$419.7
Increase to Water User Fee:	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢

LOCATION:
Leonardtown Road, Hughesville

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2017

(\$ in thousands)

PROJECT NAME: Private Water System Interconnection Program	Water User 0% Water Other 100%	Requested By: PGM Project #: 6115			
<p>As part of the County's initiative to interconnect failing community water systems, funding is needed to offset the design and construction costs of water infrastructure replacements necessary to meet required County Standards. This project is supported by the County's Water Resource Advisory Committee recommendations to assist failing private water systems with infrastructure replacements that are currently cost prohibitive.</p>					
VARIANCE TO APPROVED PER FY16-FY20 CAPITAL IMPROVEMENT PROGRAM:					
	FY 2017	FY 2018	FY 2019	FY 2020	TOTAL
Approved FY16-FY20 CIP	\$129	\$129	\$129	\$129	\$516
Increase/(Decrease)	\$0	\$0	\$0	\$0	\$0
% change	0.0%	0.0%	0.0%	0.0%	0.0%

EXPENSE BUDGET	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year			
						Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Architectural & Engineering	\$25	\$25	\$25	\$25	\$0	\$100	\$50	\$0	\$150
Land & ROW	0	0	0	0	0	0	0	0	0
Construction	75	75	75	75	0	300	200	0	500
Equipment	0	0	0	0	0	0	0	0	0
Administration	9	9	9	9	0	36	19	0	55
Administration - FAS	3	3	3	3	0	12	3	0	15
Inspection	4	4	4	4	0	16	10	0	26
Miscellaneous	5	5	5	5	0	20	5	0	25
Contingency	8	8	8	8	0	32	20	0	52
Total Outlay	\$129	\$129	\$129	\$129	\$0	\$516	\$307	\$0	\$823

FINANCING SOURCES	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year			
						Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Bonds (15 Year)	\$0	\$0	\$0	\$0	\$0	\$0	\$107	\$0	\$107
Fund Balance Appropriation	0	0	0	0	0	0	0	0	0
Operating Transfer	0	0	0	0	0	0	0	0	0
Total County Funding	\$0	\$0	\$0	\$0	\$0	\$0	\$107	\$0	\$107
Federal	0	0	0	0	0	0	0	0	0
State	0	0	0	0	0	0	0	0	0
Other: Property Owners	129	129	129	129	0	516	200	0	716
Total Funding	\$129	\$129	\$129	\$129	\$0	\$516	\$307	\$0	\$823

Operating Budget Impact	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Approp. Beyond	
						thru FY16	FY 2021
No. of Personnel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Personnel Costs	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	8.9	8.9	8.9	8.9	8.9	8.9	8.9
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$8.9	\$8.9	\$8.9	\$8.9	\$8.9	\$8.9	\$8.9
Increase to Water User Fee:	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢

LOCATION:

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2017

(\$ in thousands)

PROJECT NAME:					Water User 100%	Requested By: DPW
St. Charles Well #16 Replacement					Water Connection 0%	Project #:
This well is out of service and in need of replacement to address water system demands.						
VARIANCE TO APPROVED PER FY16-FY20 CAPITAL IMPROVEMENT PROGRAM:						
	FY 2017	FY 2018	FY 2019	FY 2020	TOTAL	<i>This well has been taken out of service because it has developed increased concentrations of Gross Alpha. The County needs to drill a new well in a different aquifer that does not have the Gross Alpha issue.</i>
Approved FY16-FY20 CIP	\$0	\$0	\$0	\$0	\$0	
Increase/(Decrease)	\$1,610	\$0	\$0	\$0	\$1,610	
% change	new	n/a	n/a	n/a	new	

EXPENSE BUDGET	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year			
						Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Architectural & Engineering	\$125	\$0	\$0	\$0	\$0	\$125	\$0	\$0	\$125
Land & ROW	0	0	0	0	0	0	0	0	0
Construction	1,250	0	0	0	0	1,250	0	0	1,250
Equipment	0	0	0	0	0	0	0	0	0
Administration	12	0	0	0	0	12	0	0	12
Administration - FAS	3	0	0	0	0	3	0	0	3
Inspection	95	0	0	0	0	95	0	0	95
Miscellaneous	0	0	0	0	0	0	0	0	0
Contingency	125	0	0	0	0	125	0	0	125
Total Outlay	\$1,610	\$0	\$0	\$0	\$0	\$1,610	\$0	\$0	\$1,610

FINANCING SOURCES		FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year			
							Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Bonds (15 Year)		\$1,610	\$0	\$0	\$0	\$0	\$1,610	\$0	\$0	\$1,610
Fund Balance Appropriation		0	0	0	0	0	0	0	0	0
Operating Transfer		0	0	0	0	0	0	0	0	0
Total County Funding		\$1,610	\$0	\$0	\$0	\$0	\$1,610	\$0	\$0	\$1,610
Federal		0	0	0	0	0	0	0	0	0
State		0	0	0	0	0	0	0	0	0
Other:		0	0	0	0	0	0	0	0	0
Total Funding		\$1,610	\$0	\$0	\$0	\$0	\$1,610	\$0	\$0	\$1,610

Operating Budget Impact	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Approp. Beyond	
						thru FY16	FY 2021
No. of Personnel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Personnel Costs	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	0.0	141.3	141.3	141.3	141.3	0.0	141.3
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$0.0	\$141.3	\$141.3	\$141.3	\$141.3	\$0.0	\$141.3
Increase to Water User Fee:	0.0¢	6.3¢	6.2¢	6.1¢	6.0¢	0.0¢	5.9¢

LOCATION:
Waldorf

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2017

(\$ in thousands)

PROJECT NAME: WSSC Waldorf Interconnection	Water User 25% Water Connection 75%	Requested By: PGM Project #:			
Substantial water infrastructure upgrades are necessary to prepare the Waldorf water system for an additional interconnection to the WSSC water system along US301 to Brandywine. This would include the design and construction.					
VARIANCE TO APPROVED PER FY16-FY20 CAPITAL IMPROVEMENT PROGRAM:					
	FY 2017	FY 2018	FY 2019	FY 2020	TOTAL
Approved FY16-FY20 CIP	\$0	\$0	\$0	\$0	\$0
Increase/(Decrease)	\$213	\$465	\$2,338	\$2,338	\$5,354
% change	new	new	new	new	new

EXPENSE BUDGET	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year			
						Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Architectural & Engineering	\$200	\$250	\$0	\$0	\$0	\$450	\$0	\$0	\$450
Land & ROW	0	200	0	0	0	200	0	0	200
Construction	0	0	2,000	2,000	2,000	6,000	0	2,000	8,000
Equipment	0	0	0	0	0	0	0	0	0
Administration	10	12	75	75	75	247	0	75	322
Administration - FAS	3	3	3	3	3	15	0	3	18
Inspection	0	0	50	50	50	150	0	50	200
Miscellaneous	0	0	10	10	10	30	0	10	40
Contingency	0	0	200	200	200	600	0	200	800
Total Outlay	\$213	\$465	\$2,338	\$2,338	\$2,338	\$7,692	\$0	\$2,338	\$10,030

FINANCING SOURCES		FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year			
							Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Bonds (15 Year)		\$213	\$465	\$2,338	\$2,338	\$2,338	\$7,692	\$0	\$2,338	\$10,030
Fund Balance Appropriation		0	0	0	0	0	0	0	0	0
Operating Transfer		0	0	0	0	0	0	0	0	0
Total County Funding		\$213	\$465	\$2,338	\$2,338	\$2,338	\$7,692	\$0	\$2,338	\$10,030
Federal		0	0	0	0	0	0	0	0	0
State		0	0	0	0	0	0	0	0	0
Other:		0	0	0	0	0	0	0	0	0
Total Funding		\$213	\$465	\$2,338	\$2,338	\$2,338	\$7,692	\$0	\$2,338	\$10,030

Operating Budget Impact	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Approp. Beyond	
						thru FY16	FY 2021
No. of Personnel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Personnel Costs	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	0.0	18.7	59.6	265.5	471.4	0.0	883.2
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$0.0	\$18.7	\$59.6	\$265.5	\$471.4	\$0.0	\$883.2
Increase to Water User Fee:	0.0¢	0.2¢	0.7¢	2.9¢	5.0¢	0.0¢	9.3¢

LOCATION:
Waldorf, MD

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2017

(\$ in thousands)

PROJECT NAME: Water Detail Revisions	Water User Water Connection	0% 100%	Requested By: PGM Project #:		
<p>Consultant assistance is needed to prepare updated water infrastructure detail schematics to guide engineers designing public water infrastructure. Certain design detail schematics may not be consistent with the current industry standards.</p>					
VARIANCE TO APPROVED PER FY16-FY20 CAPITAL IMPROVEMENT PROGRAM:					
	FY 2017	FY 2018	FY 2019	FY 2020	TOTAL
Approved FY16-FY20 CIP	\$0	\$0	\$0	\$0	\$0
Increase/(Decrease)	\$37	\$0	\$0	\$0	\$37
% change	new	n/a	n/a	n/a	new

EXPENSE BUDGET	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year			
						Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Architectural & Engineering	\$30	\$0	\$0	\$0	\$0	\$30	\$0	\$0	\$30
Land & ROW	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0
Equipment	0	0	0	0	0	0	0	0	0
Administration	2	0	0	0	0	2	0	0	2
Administration - FAS	3	0	0	0	0	3	0	0	3
Inspection	0	0	0	0	0	0	0	0	0
Miscellaneous	1	0	0	0	0	1	0	0	1
Contingency	1	0	0	0	0	1	0	0	1
Total Outlay	\$37	\$0	\$0	\$0	\$0	\$37	\$0	\$0	\$37

FINANCING SOURCES		FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year			
							Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Bonds (15 Year)		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Fund Balance Appropriation		0	0	0	0	0	0	0	0	
Operating Transfer		37	0	0	0	0	37	0	37	
Total County Funding		\$37	\$0	\$0	\$0	\$0	\$37	\$0	\$37	
Federal		0	0	0	0	0	0	0	0	
State		0	0	0	0	0	0	0	0	
Other:		0	0	0	0	0	0	0	0	
Total Funding		\$37	\$0	\$0	\$0	\$0	\$37	\$0	\$37	

Operating Budget Impact	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Approp. Beyond	
						thru FY16	FY 2021
No. of Personnel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Personnel Costs	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Increase to Water User Fee:	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢

LOCATION:

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2017

(\$ in thousands)

PROJECT NAME: Chapel Point/Bel Alton Water System & Tank	Water User Water Connection	100% 0%	Requested By: PGM Project #:		
<p>In order to increase the reliability of the area public water system, the design and construction of a water line extension to interconnect the Bel Alton and Chapel Point Water systems is needed. This will include a water storage tank to provide adequate water pressure.</p>					
VARIANCE TO APPROVED PER FY16-FY20 CAPITAL IMPROVEMENT PROGRAM:					
	FY 2017	FY 2018	FY 2019	FY 2020	TOTAL
Approved FY16-FY20 CIP	\$0	\$0	\$0	\$0	\$0
Increase/(Decrease)	\$275	\$1,819	\$1,819	\$0	\$3,913
% change	new	new	new	n/a	new

EXPENSE BUDGET	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year			
						Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Architectural & Engineering	\$200	\$0	\$0	\$0	\$0	\$200	\$0	\$0	\$200
Land & ROW	50	0	0	0	0	50	0	0	50
Construction	0	1,500	1,500	0	0	3,000	0	0	3,000
Equipment	0	0	0	0	0	0	0	0	0
Administration	19	113	113	0	0	245	0	0	245
Administration - FAS	3	3	3	0	0	9	0	0	9
Inspection	0	38	38	0	0	76	0	0	76
Miscellaneous	3	15	15	0	0	33	0	0	33
Contingency	0	150	150	0	0	300	0	0	300
Total Outlay	\$275	\$1,819	\$1,819	\$0	\$0	\$3,913	\$0	\$0	\$3,913

FINANCING SOURCES		FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year			
							Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Bonds (15 Year)		\$275	\$1,819	\$1,819	\$0	\$0	\$3,913	\$0	\$0	\$3,913
Fund Balance Appropriation		0	0	0	0	0	0	0	0	0
Operating Transfer		0	0	0	0	0	0	0	0	0
Total County Funding		\$275	\$1,819	\$1,819	\$0	\$0	\$3,913	\$0	\$0	\$3,913
Federal		0	0	0	0	0	0	0	0	0
State		0	0	0	0	0	0	0	0	0
Other:		0	0	0	0	0	0	0	0	0
Total Funding		\$275	\$1,819	\$1,819	\$0	\$0	\$3,913	\$0	\$0	\$3,913

Operating Budget Impact	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Approp. Beyond	
						thru FY16	FY 2021
No. of Personnel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Personnel Costs	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	0.0	24.1	184.3	344.5	344.5	0.0	344.5
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$0.0	\$24.1	\$184.3	\$344.5	\$344.5	\$0.0	\$344.5
Increase to Water User Fee:	0.0¢	1.1¢	8.1¢	15.0¢	14.7¢	0.0¢	14.5¢

LOCATION:
Bel Alton, MD

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2017

(\$ in thousands)

PROJECT NAME: Influent/Effluent Pump Station	Sewer User Sewer Connection	55% 45%	Requested By: PGM Project #: 7063		
<p>A thorough evaluation of Mattawoman WWTP Influent/Effluent pump stations, & the Influent Wet Well is necessary to upgrade, overhaul & replace outdated, inadequate, and/or unsafe/inefficient processes. Problems with the main pumping station include hydraulic, control, capacity, & safety. The pumps are aging and obtaining parts has become a serious problem, so it is time to replace them, as well as the isolation and control valves. The location of the wet wells makes access for cleaning extremely difficult, time-consuming, and expensive. This study will present alternatives that will provide better access for cleaning/inspection, for providing code required ventilation, and possibly a self-cleaning configuration. Project will provide recommendations, prepare design documents, and implement the repairs or replacement. Project also includes replacement of barscreen #1. Existing funding is needed for immediate repairs/replacements of existing equipment.</p>					
VARIANCE TO APPROVED PER FY16-FY20 CAPITAL IMPROVEMENT PROGRAM:					
	FY 2017	FY 2018	FY 2019	FY 2020	TOTAL
Approved FY16-FY20 CIP	\$2,547	\$2,643	\$0	\$0	\$5,190
Increase/(Decrease)	\$0	\$0	\$0	\$0	\$0
% change	0.0%	0.0%	n/a	n/a	0.0%

EXPENSE BUDGET	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year			
						Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Architectural & Engineering	\$88	\$87	\$0	\$0	\$0	\$175	\$1,094	\$0	\$1,269
Land & ROW	0	0	0	0	0	0	0	0	0
Construction	2,050	2,050	0	0	0	4,100	8,453	0	12,553
Equipment	0	0	0	0	0	0	960	0	960
Administration	110	109	0	0	0	219	403	0	622
Administration - FAS	3	3	0	0	0	6	14	0	20
Inspection	53	52	0	0	0	105	325	0	430
Miscellaneous	33	32	0	0	0	65	92	0	157
Contingency	210	310	0	0	0	520	736	0	1,256
Total Outlay	\$2,547	\$2,643	\$0	\$0	\$0	\$5,190	\$12,077	\$0	\$17,267

FINANCING SOURCES	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year			
						Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Bonds (30 Year)	\$2,165	\$2,247	\$0	\$0	\$0	\$4,412	\$9,312	\$0	\$13,724
Fund Balance Appropriation	0	0	0	0	0	0	0	0	0
Operating Transfer	0	0	0	0	0	0	0	0	0
Total County Funding	\$2,165	\$2,247	\$0	\$0	\$0	\$4,412	\$9,312	\$0	\$13,724
Federal	0	0	0	0	0	0	728	0	728
State	0	0	0	0	0	0	383	0	383
Other: WSSC @ 15%	382	396	0	0	0	778	1,654	0	2,432
Other:	0	0	0	0	0	0	0	0	0
Total Funding	\$2,547	\$2,643	\$0	\$0	\$0	\$5,190	\$12,077	\$0	\$17,267

Operating Budget Impact	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Approp. Beyond	
						thru FY16	FY 2021
No. of Personnel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Personnel Costs	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0						
Debt Service: Bonds	532.0	667.2	808.5	808.5	808.5	532.0	808.5
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$532.0	\$667.2	\$808.5	\$808.5	\$808.5	\$532.0	\$808.5
Increase to Sewer User Fee:	13.0¢	14.2¢	16.9¢	15.8¢	15.6¢	13.0¢	15.4¢

LOCATION:
Mattawoman WWTP

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2017

(\$ in thousands)

PROJECT NAME: MWWTP Electrical System Replacement	Sewer User 55% Sewer Connection 45%	Requested By: DPW Project #: 7078			
<p>This project includes replacement of the plant's electrical system. The existing electrical system is beyond its life expectancy (over 30 years) and a phased plan will be developed to replace this equipment in a programmed manner.</p>					
VARIANCE TO APPROVED PER FY16-FY20 CAPITAL IMPROVEMENT PROGRAM:					
	FY 2017	FY 2018	FY 2019	FY 2020	TOTAL
Approved FY16-FY20 CIP	\$4,078	\$4,078	\$0	\$0	\$8,156
Increase/(Decrease)	(\$3,945)	(\$60)	\$4,018	\$0	\$13
% change	-96.7%	-1.5%	new	n/a	0.2%

EXPENSE BUDGET	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year			
						Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Architectural & Engineering	\$115	\$115	\$115	\$0	\$0	\$345	\$801	\$0	\$1,146
Land & ROW	0	0	0	0	0	0	0	0	0
Construction	0	3,375	3,375	0	0	6,750	550	0	7,300
Equipment	0	0	0	0	0	0	0	0	0
Administration	15	15	15	0	0	45	49	0	94
Administration - FAS	3	3	3	0	0	9	11	0	20
Inspection	0	175	175	0	0	350	45	0	395
Miscellaneous	0	0	0	0	0	0	15	0	15
Contingency	0	335	335	0	0	670	17	0	687
Total Outlay	\$133	\$4,018	\$4,018	\$0	\$0	\$8,169	\$1,488	\$0	\$9,657

FINANCING SOURCES		FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year			
							Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Bonds (15 Year)		\$113	\$3,415	\$3,415	\$0	\$0	\$6,943	\$1,265	\$0	\$8,208
Fund Balance Appropriation		0	0	0	0	0	0	0	0	0
Operating Transfer		0	0	0	0	0	0	0	0	0
Total County Funding		\$113	\$3,415	\$3,415	\$0	\$0	\$6,943	\$1,265	\$0	\$8,208
Federal		0	0	0	0	0	0	0	0	0
State		0	0	0	0	0	0	0	0	0
Other: WSSC @ 15%		20	603	603	0	0	1,226	223	0	1,449
Other:		0	0	0	0	0	0	0	0	0
Total Funding		\$133	\$4,018	\$4,018	\$0	\$0	\$8,169	\$1,488	\$0	\$9,657

Operating Budget Impact	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Approp. Beyond	
						thru FY16	FY 2021
No. of Personnel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Personnel Costs	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0						
Debt Service: Bonds	105.2	115.1	415.9	716.6	716.6	105.2	716.6
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$105.2	\$115.1	\$415.9	\$716.6	\$716.6	\$105.2	\$716.6
Increase to Sewer User Fee:	2.6¢	2.4¢	8.7¢	14.0¢	13.8¢	2.6¢	13.6¢

LOCATION:
Mattawoman WWTP

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2017

(\$ in thousands)

PROJECT NAME: MWWTP Flow Equalization	Sewer User 55% Sewer Connection 45%	Requested By: DPW Project #: 7095			
Design and construction of flow equalization/storage system at MWWTP to buffer peak flows and prevent sanitary sewer overflows and unauthorized discharges. This project also includes unit process improvements to address hydraulic inefficiencies at the plant.					
VARIANCE TO APPROVED PER FY16-FY20 CAPITAL IMPROVEMENT PROGRAM:					
Approved FY16-FY20 CIP	FY 2017 \$8,378	FY 2018 \$6,328	FY 2019 \$3,108	FY 2020 \$3,108	TOTAL \$20,922
Increase/(Decrease)	(\$8,029)	\$2,971	\$2,681	\$821	(\$1,556)
% change	-95.8%	47.0%	86.3%	26.4%	-7.4%

EXPENSE BUDGET	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year			
						Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Architectural & Engineering	\$325	\$375	\$315	\$165	\$125	\$1,305	\$765	\$0	\$2,070
Land & ROW	0	0	0	0	0	0	0	0	0
Construction	0	7,750	4,750	3,250	1,250	17,000	3,800	0	20,800
Equipment	0	0	0	0	0	0	0	0	0
Administration	21	21	21	21	21	105	57	0	162
Administration - FAS	3	3	3	3	3	15	12	0	27
Inspection	0	375	225	165	125	890	213	0	1,103
Miscellaneous	0	0	0	0	0	0	0	0	0
Contingency	0	775	475	325	125	1,700	381	0	2,081
Total Outlay	\$349	\$9,299	\$5,789	\$3,929	\$1,649	\$21,015	\$5,228	\$0	\$26,243

FINANCING SOURCES	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021				
Bonds (30 Year)	\$297	\$7,904	\$4,921	\$3,340	\$1,402	\$17,864	\$4,444	\$0	\$22,308
Fund Balance Appropriation	0	0	0	0	0	0	0	0	0
Operating Transfer	0	0	0	0	0	0	0	0	0
Total County Funding	\$297	\$7,904	\$4,921	\$3,340	\$1,402	\$17,864	\$4,444	\$0	\$22,308
Federal	0	0	0	0	0	0	0	0	0
State	0	0	0	0	0	0	0	0	0
Other: WSSC @ 15%	52	1,395	868	589	247	3,151	784	0	3,935
Other:	0	0	0	0	0	0	0	0	0
Total Funding	\$349	\$9,299	\$5,789	\$3,929	\$1,649	\$21,015	\$5,228	\$0	\$26,243

Operating Budget Impact	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Approp. Beyond thru FY16 FY 2021	
No. of Personnel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Personnel Costs	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	253.9	272.4	769.2	1,078.4	1,288.3	253.9	1,376.4
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$253.9	\$272.4	\$769.2	\$1,078.4	\$1,288.3	\$253.9	\$1,376.4
Increase to Sewer User Fee:	6.2¢	5.8¢	16.1¢	21.1¢	24.9¢	6.2¢	26.2¢

LOCATION:
Mattawoman WWTP

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2017

(\$ in thousands)

PROJECT NAME: Mattawoman Infiltration and Inflow	Sewer User Sewer Connection	55% 45%	Requested By: PGM Project #: 7074		
<p>The Mattawoman WWTP service area has high Inflow and Infiltration (I/I) during storm events entering the sanitary sewer causing sanitary sewer overflows (SSOs) where system capacity is not sufficient. SSOs range from backups into basements to overflows from the sewer manholes. In addition to being a public health risk, it is also a regulatory issue. This project will provide information on the condition of the Mattawoman sewer system, identify areas where I/I already exists or a high I/I potential exists, and design/construct repairs for I/I removal. This project will also investigate feasibility of providing in-line storage for flow equalization; identify locations for design and construction projects to implement the in-line flow equalization and acquisition of right of way needed to implement the projects. The repairs proposed will address the sewer basins with the highest I/I severity (Tier 1) resulting in the greatest amount of I/I removal for the lowest cost. This project will be on-going multi-year endeavor.</p>					
VARIANCE TO APPROVED PER FY16-FY20 CAPITAL IMPROVEMENT PROGRAM:					
	FY 2017	FY 2018	FY 2019	FY 2020	TOTAL
Approved FY16-FY20 CIP	\$5,914	\$3,275	\$3,275	\$3,275	\$15,739
Increase/(Decrease)	(\$5,766)	\$2,836	\$346	\$1,985	(\$599)
% change	-97.5%	86.6%	10.6%	60.6%	-3.8%

EXPENSE BUDGET	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year			
						Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Architectural & Engineering	\$0	\$221	\$400	\$500	\$200	\$1,321	\$3,504	\$600	\$5,425
Land & ROW	63	100	100	100	100	463	50	50	563
Construction	0	5,705	3,000	4,500	3,514	16,719	5,370	2,400	24,489
Equipment	0	0	0	0	0	0	0	0	0
Administration	15	15	15	15	15	75	334	15	424
Administration - FAS	3	3	3	3	3	15	16	3	34
Inspection	0	0	36	75	75	186	342	72	600
Miscellaneous	17	17	17	17	17	85	0	17	102
Contingency	50	50	50	50	50	250	0	50	300
Total Outlay	\$148	\$6,111	\$3,621	\$5,260	\$3,974	\$19,114	\$9,615	\$3,207	\$31,936

FINANCING SOURCES	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year			
						Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Bonds (30 Year)	\$92	\$3,810	\$2,258	\$3,280	\$2,478	\$11,918	\$6,136	\$2,000	\$20,054
Fund Balance Appropriation	0	0	0	0	0	0	0	0	0
Operating Transfer	0	0	0	0	0	0	0	0	0
Total County Funding	\$92	\$3,810	\$2,258	\$3,280	\$2,478	\$11,918	\$6,136	\$2,000	\$20,054
Federal	0	0	0	0	0	0	0	0	0
State	0	0	0	0	0	0	0	0	0
Other: WSSC @ 37.65%	56	2,301	1,363	1,980	1,496	7,196	3,479	1,207	11,882
Other:	0	0	0	0	0	0	0	0	0
Total Funding	\$148	\$6,111	\$3,621	\$5,260	\$3,974	\$19,114	\$9,615	\$3,207	\$31,936

Operating Budget Impact	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Approp. Beyond	
						thru FY16	FY 2021
No. of Personnel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Personnel Costs	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0						
Debt Service: Bonds	350.5	356.3	595.7	737.6	943.8	350.5	1,225.2
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$350.5	\$356.3	\$595.7	\$737.6	\$943.8	\$350.5	\$1,225.2
Increase to Sewer User Fee:	8.6¢	7.6¢	12.5¢	14.5¢	18.2¢	8.6¢	23.3¢

LOCATION:
Mattawoman Sewer Service Area

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2017

(\$ in thousands)

PROJECT NAME: Mattawoman WWTP Automation	Sewer User 55%	Requested By: DPW			
	Sewer Connection 45%	Project #: 7083			
<p>Automation of the Mattawoman WWTP facility to improve the efficiency of operations and maintenance, thereby minimizing resources and resulting in cost avoidance. Design standards will be determined for the project and implemented on the remaining processes to monitor the system via plant SCADA system and ensure system stays in compliance.</p>					
VARIANCE TO APPROVED PER FY16-FY20 CAPITAL IMPROVEMENT PROGRAM:					
	FY 2017	FY 2018	FY 2019	FY 2020	TOTAL
Approved FY16-FY20 CIP	\$2,120	\$1,020	\$0	\$0	\$3,140
Increase/(Decrease)	(\$1,971)	\$555	\$1,519	\$0	\$103
% change	-93.0%	54.4%	new	n/a	3.3%

EXPENSE BUDGET	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year			
						Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Architectural & Engineering	\$125	\$65	\$65	\$0	\$0	\$255	\$725	\$0	\$980
Land & ROW	0	0	0	0	0	0	0	0	0
Construction	0	1,275	1,225	0	0	2,500	975	0	3,475
Equipment	0	0	0	0	0	0	1,214	0	1,214
Administration	21	21	21	0	0	63	0	0	63
Administration - FAS	3	3	3	0	0	9	75	0	84
Inspection	0	83	82	0	0	165	85	0	250
Miscellaneous	0	0	0	0	0	0	1	0	1
Contingency	0	128	123	0	0	251	46	0	297
Total Outlay	\$149	\$1,575	\$1,519	\$0	\$0	\$3,243	\$3,121	\$0	\$6,364

FINANCING SOURCES	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021				
Bonds (15 Year)	\$127	\$1,339	\$1,291	\$0	\$0	\$2,757	\$2,353	\$0	\$5,110
Fund Balance Appropriation	0	0	0	0	0	0	0	0	0
Operating Transfer	0	0	0	0	0	0	0	0	0
Total County Funding	\$127	\$1,339	\$1,291	\$0	\$0	\$2,757	\$2,353	\$0	\$5,110
Federal	0	0	0	0	0	0	0	0	0
State	0	0	0	0	0	0	300	0	300
Other: WSSC @ 15%	22	236	228	0	0	486	468	0	954
Other:	0	0	0	0	0	0	0	0	0
Total Funding	\$149	\$1,575	\$1,519	\$0	\$0	\$3,243	\$3,121	\$0	\$6,364

Operating Budget Impact	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Approp. Beyond thru FY16 FY 2021	
No. of Personnel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Personnel Costs	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	195.7	206.8	324.7	438.4	438.4	195.7	438.4
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$195.7	\$206.8	\$324.7	\$438.4	\$438.4	\$195.7	\$438.4
Increase to Sewer User Fee:	4.8¢	4.4¢	6.8¢	8.6¢	8.5¢	4.8¢	8.4¢

LOCATION:
Mattawoman WWTP

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2017

(\$ in thousands)

PROJECT NAME: Pump Station Rehabs and Replacements	Sewer User 100%	Requested By: DPW			
	Sewer Connection 0%	Project #: 7097			
Rehabilitation at various wastewater pumping facilities to update to current standards and replace aged equipment/infrastructure that include, but are not limited to the following: Strawberry Hills P.S., Theodore Green Blvd. P.S., Checkers P.S., Thomas Stone P.S., Indian Head Manor P.S., Ryon Woods P.S., Rt. 925B P.S., St. Charles P.S. #5A, Pinefield P.S. Forcemain, Bar Harbor PS, Bachelors Hope PS, Cuckolds Creek PS, Wisteria PS, Bath House PS, and a barscreen at PS3B.					
VARIANCE TO APPROVED PER FY16-FY20 CAPITAL IMPROVEMENT PROGRAM:					
	FY 2017	FY 2018	FY 2019	FY 2020	TOTAL
Approved FY16-FY20 CIP	\$1,688	\$1,688	\$1,495	\$1,495	\$6,366
Increase/(Decrease)	\$0	\$0	\$0	\$0	\$0
% change	0.0%	0.0%	0.0%	0.0%	0.0%

EXPENSE BUDGET	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year			
						Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Architectural & Engineering	\$175	\$175	\$115	\$115	\$115	\$695	\$651	\$115	\$1,461
Land & ROW	0	0	0	0	0	0	0	0	0
Construction	1,275	1,275	1,100	1,100	1,100	5,850	1,821	1,100	8,771
Equipment	0	0	0	0	0	0	0	0	0
Administration	52	52	52	52	52	260	84	52	396
Administration - FAS	3	3	3	3	3	15	0	3	18
Inspection	55	55	115	115	115	455	452	115	1,022
Miscellaneous	0	0	0	0	0	0	0	0	0
Contingency	128	128	110	110	110	586	171	110	867
Total Outlay	\$1,688	\$1,688	\$1,495	\$1,495	\$1,495	\$7,861	\$3,179	\$1,495	\$12,535

FINANCING SOURCES		FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year			
							Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Bonds	(15 Year)	\$1,688	\$1,688	\$1,495	\$1,495	\$1,495	\$7,861	\$3,179	\$1,495	\$12,535
Fund Balance Appropriation		0	0	0	0	0	0	0	0	0
Operating Transfer		0	0	0	0	0	0	0	0	0
Total County Funding		\$1,688	\$1,688	\$1,495	\$1,495	\$1,495	\$7,861	\$3,179	\$1,495	\$12,535
Federal		0	0	0	0	0	0	0	0	0
State		0	0	0	0	0	0	0	0	0
Other: WSSC @ 15%		0	0	0	0	0	0	0	0	0
Other:		0	0	0	0	0	0	0	0	0
Total Funding		\$1,688	\$1,688	\$1,495	\$1,495	\$1,495	\$7,861	\$3,179	\$1,495	\$12,535

Operating Budget Impact	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Approp. Beyond	
						thru FY16	FY 2021
No. of Personnel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Personnel Costs	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0						
Debt Service: Bonds	264.4	412.5	561.1	692.8	824.4	264.4	1,087.8
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$264.4	\$412.5	\$561.1	\$692.8	\$824.4	\$264.4	\$1,087.8
Increase to Sewer User Fee:	11.7¢	15.9¢	21.3¢	24.7¢	29.0¢	11.7¢	37.7¢

LOCATION:
Various pumping stations countywide

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2017

(\$ in thousands)

PROJECT NAME: Satellite Wastewater Facility Upgrades	Sewer User 100%	Sewer Connection 0%	Requested By: DPW Project #: 7098		
<p>To provide necessary upgrades to various satellite pumping stations and treatment plant facilities that include, but are not limited to the following: Replacement of generator and automatic transfer switch at Cobb Island Pumping Station to maintain power distribution reliability. Install asphalt access drives that will replace failing gravel drives at Strawberry Hills P.S., Clifton Pumping Station #2, Clifton Pumping Station #4, and Mt. Carmel WWTP. Relocate chemical feed system at Swan Point Vacuum Pumping Station into building to be constructed. Construct regional storage facility at Swan Point WWTP. Construct Chemical Building at Swan Point WWTP. Construct building at Bel Alton WWTP that will aid in maintaining process temperatures for improved system performance. Structural, process, and mechanical improvements at Clifton WWTP and Mt. Carmel WWTP. Sprayfield improvements at Breeze Farm and Cuckolds Creek facilities. Construct regional operation and maintenance facility at St. Charles PS2A site. Chemical feed system improvements at various satellite treatment plants.</p>					
VARIANCE TO APPROVED PER FY16-FY20 CAPITAL IMPROVEMENT PROGRAM:					
	FY 2017	FY 2018	FY 2019	FY 2020	TOTAL
Approved FY16-FY20 CIP	\$541	\$541	\$541	\$541	\$2,164
Increase/(Decrease)	\$0	\$0	\$0	\$0	\$0
% change	0.0%	0.0%	0.0%	0.0%	0.0%

EXPENSE BUDGET	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year			
						Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Architectural & Engineering	\$75	\$75	\$75	\$75	\$75	\$375	\$433	\$75	\$883
Land & ROW	0	0	0	0	0	0	0	0	0
Construction	375	375	375	375	375	1,875	798	375	3,048
Equipment	0	0	0	0	0	0	0	0	0
Administration	12	12	12	12	12	60	68	12	140
Administration - FAS	3	3	3	3	3	15	0	3	18
Inspection	38	38	38	38	38	190	171	38	399
Miscellaneous	0	0	0	0	0	0	0	0	0
Contingency	38	38	38	38	38	190	38	38	266
Total Outlay	\$541	\$541	\$541	\$541	\$541	\$2,705	\$1,508	\$541	\$4,754

FINANCING SOURCES	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year			
						Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Bonds (15 Year)	\$541	\$541	\$541	\$541	\$541	\$2,705	\$1,508	\$541	\$4,754
Fund Balance Appropriation	0	0	0	0	0	0	0	0	0
Operating Transfer	0	0	0	0	0	0	0	0	0
Total County Funding	\$541	\$541	\$541	\$541	\$541	\$2,705	\$1,508	\$541	\$4,754
Federal	0	0	0	0	0	0	0	0	0
State	0	0	0	0	0	0	0	0	0
Other: WSSC @ 15%	0	0	0	0	0	0	0	0	0
Other:	0	0	0	0	0	0	0	0	0
Total Funding	\$541	\$541	\$541	\$541	\$541	\$2,705	\$1,508	\$541	\$4,754

Operating Budget Impact	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Approp. Beyond	
						thru FY16	FY 2021
No. of Personnel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Personnel Costs	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0						
Debt Service: Bonds	125.4	172.9	220.5	268.2	315.8	125.4	411.1
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$125.4	\$172.9	\$220.5	\$268.2	\$315.8	\$125.4	\$411.1
Increase to Sewer User Fee:	5.6¢	6.7¢	8.4¢	9.6¢	11.1¢	5.6¢	14.2¢

LOCATION:
Various Sites-see description

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2017

(\$ in thousands)

PROJECT NAME: MWWTP Clarifier and Thickener Repairs	Sewer User 55%	Requested By: DPW			
	Sewer Connection 45%	Project #: 7093			
<p>Gravity Thickeners #1 & #2, Secondary Clarifiers #5 & #6, and Final Clarifiers #1 through #4 are aged and in need of rehabilitation. Work includes mechanical, electrical, and structural repairs/replacements.</p>					
VARIANCE TO APPROVED PER FY16-FY20 CAPITAL IMPROVEMENT PROGRAM:					
	FY 2017	FY 2018	FY 2019	FY 2020	TOTAL
Approved FY16-FY20 CIP	\$976	\$976	\$976	\$976	\$3,903
Increase/(Decrease)	\$0	\$0	\$0	\$0	\$0
% change	0.0%	0.0%	0.0%	0.0%	0.0%

EXPENSE BUDGET	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year			
						Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Architectural & Engineering	\$150	\$150	\$150	\$150	\$150	\$750	\$675	\$150	\$1,575
Land & ROW	0	0	0	0	0	0	0	0	0
Construction	675	675	675	675	675	3,375	2,170	675	6,220
Equipment	0	0	0	0	0	0	0	0	0
Administration	12	12	12	12	12	60	63	12	135
Administration - FAS	3	3	3	3	3	15	0	3	18
Inspection	68	68	68	68	68	340	171	68	579
Miscellaneous	0	0	0	0	0	0	0	0	0
Contingency	68	68	68	68	68	338	121	68	527
Total Outlay	\$976	\$976	\$976	\$976	\$976	\$4,878	\$3,200	\$976	\$9,054

FINANCING SOURCES		FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year			
							Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Bonds (30 Year)		\$830	\$830	\$830	\$830	\$830	\$4,148	\$2,720	\$830	\$7,698
Fund Balance Appropriation		0	0	0	0	0	0	0	0	0
Operating Transfer		0	0	0	0	0	0	0	0	0
Total County Funding		\$830	\$830	\$830	\$830	\$830	\$4,148	\$2,720	\$830	\$7,698
Federal		0	0	0	0	0	0	0	0	0
State		0	0	0	0	0	0	0	0	0
Other: WSSC @ 15%		146	146	146	146	146	730	480	146	1,356
Other:		0	0	0	0	0	0	0	0	0
Total Funding		\$976	\$976	\$976	\$976	\$976	\$4,878	\$3,200	\$976	\$9,054

Operating Budget Impact	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Approp. Beyond	
						thru FY16	FY 2021
No. of Personnel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Personnel Costs	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0						
Debt Service: Bonds	155.4	207.3	259.4	311.5	363.6	155.4	467.9
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$155.4	\$207.3	\$259.4	\$311.5	\$363.6	\$155.4	\$467.9
Increase to Sewer User Fee:	3.8¢	4.4¢	5.4¢	6.1¢	7.0¢	3.8¢	8.9¢

LOCATION:
Mattawoman WWTP

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2017

(\$ in thousands)

PROJECT NAME:	Sewer User	Requested By: DPW			
Swan Point and Cobb Island Sewer System	Sewer Connection 100%	Project #:			
Capacity Analysis and Improvements					
This project will evaluate the capacity of the existing Swan Point and Cobb Island sewer systems and determine/implement the improvements necessary to support additional connections from within the existing service areas and from failing septs in the area.					
VARIANCE TO APPROVED PER FY16-FY20 CAPITAL IMPROVEMENT PROGRAM:					
	FY 2017	FY 2018	FY 2019	FY 2020	TOTAL
Approved FY16-FY20 CIP	\$0	\$0	\$0	\$0	\$0
Increase/(Decrease)	\$0	\$0	\$0	\$290	\$290
% change	n/a	n/a	n/a	new	new

EXPENSE BUDGET	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year			
						Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Architectural & Engineering	\$0	\$0	\$0	\$275	\$0	\$275	\$0	\$120	\$395
Land & ROW	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	1,200	1,200
Equipment	0	0	0	0	0	0	0	0	0
Administration	0	0	0	12	0	12	0	15	27
Administration - FAS	0	0	0	3	0	3	0	3	6
Inspection	0	0	0	0	0	0	0	120	120
Miscellaneous	0	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0
Total Outlay	\$0	\$0	\$0	\$290	\$0	\$290	\$0	\$1,458	\$1,748

FINANCING SOURCES	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Bonds (30 Year)	\$0	\$0	\$0	\$290	\$0	\$290	\$0	\$1,458	\$1,748
Fund Balance Appropriation	0	0	0	0	0	0	0	0	0
Operating Transfer	0	0	0	0	0	0	0	0	0
Total County Funding	\$0	\$0	\$0	\$290	\$0	\$290	\$0	\$1,458	\$1,748
Federal	0	0	0	0	0	0	0	0	0
State	0	0	0	0	0	0	0	0	0
Other: WSSC @ 15%	0	0	0	0	0	0	0	0	0
Other:	0	0	0	0	0	0	0	0	0
Total Funding	\$0	\$0	\$0	\$290	\$0	\$290	\$0	\$1,458	\$1,748

Operating Budget Impact	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Approp. thru FY16	Beyond FY 2021
No. of Personnel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Personnel Costs	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	0.0	0.0	0.0	0.0	18.2	0.0	109.9
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$0.0	\$0.0	\$0.0	\$0.0	\$18.2	\$0.0	\$109.9
Increase to Sewer User Fee:	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢

LOCATION:
Cobb Island, MD

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2017

(\$ in thousands)

PROJECT NAME:	Sewer User	55%	Requested By: DPW		
MWWTP Utility Water System Evaluation & Improvement	Sewer Connection	45%	Project #: 7101		
<p>The plant utility water system has not always been satisfactory in supporting all of the demands for Non-Potable Water (NPW) at the MWWTP. Sludge production and other needs for NPW have increased over the years. Low NPW pressures have been experienced throughout the plant and the sludge dewatering process has been negatively affected as a result. Evaluation of the plant utility water system is needed to determine what improvements are necessary in order to satisfy the plant NPW demands. The effect of the UV upgrade was to cut the system from a 4 pump system to a 2 pump system, and it has become a common occurrence to have to defer wash-downs in other areas of the plant in order to operate the belt filter presses or vice versa.</p>					
VARIANCE TO APPROVED PER FY16-FY20 CAPITAL IMPROVEMENT PROGRAM:					
	FY 2017	FY 2018	FY 2019	FY 2020	TOTAL
Approved FY16-FY20 CIP	\$683	\$0	\$0	\$0	\$683
Increase/(Decrease)	(\$683)	\$1,231	\$511	\$0	\$1,059
% change	-100.0%	new	new	n/a	155.1%

EXPENSE BUDGET	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year			
						Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Architectural & Engineering	\$0	\$45	\$45	\$0	\$0	\$90	\$205	\$0	\$295
Land & ROW	0	0	0	0	0	0	0	0	0
Construction	0	975	375	0	0	1,350	375	0	1,725
Equipment	0	0	0	0	0	0	0	0	0
Administration	0	12	12	0	0	24	27	0	51
Administration - FAS	0	3	3	0	0	6	9	0	15
Inspection	0	98	38	0	0	136	35	0	171
Miscellaneous	0	0	0	0	0	0	0	0	0
Contingency	0	98	38	0	0	136	38	0	174
Total Outlay	\$0	\$1,231	\$511	\$0	\$0	\$1,742	\$689	\$0	\$2,431

FINANCING SOURCES	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Bonds (30 Year)	\$0	\$1,046	\$434	\$0	\$0	\$1,480	\$585	\$0	\$2,065
Fund Balance Appropriation	0	0	0	0	0	0	0	0	0
Operating Transfer	0	0	0	0	0	0	0	0	0
Total County Funding	\$0	\$1,046	\$434	\$0	\$0	\$1,480	\$585	\$0	\$2,065
Federal	0	0	0	0	0	0	0	0	0
State	0	0	0	0	0	0	0	0	0
Other: WSSC @ 15%	0	185	77	0	0	262	104	0	366
Other:	0	0	0	0	0	0	0	0	0
Total Funding	\$0	\$1,231	\$511	\$0	\$0	\$1,742	\$689	\$0	\$2,431

Operating Budget Impact	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Approp. thru FY16	Beyond FY 2021
No. of Personnel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Personnel Costs	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	33.4	33.4	99.2	126.4	126.4	33.4	126.4
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$33.4	\$33.4	\$99.2	\$126.4	\$126.4	\$33.4	\$126.4
Increase to Sewer User Fee:	0.8¢	0.7¢	2.1¢	2.5¢	2.4¢	0.8¢	2.4¢

LOCATION:
Mattawoman WWTP

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2017

(\$ in thousands)

PROJECT NAME: Sewer Model Update	Sewer User 55%	Requested By: PGM			
	Sewer Connection 45%	Project #: 7091			
<p>Update the current County Sewer Model by including newly installed sewer lines and verifying system stability and identify deficiencies. An interactive component to the County sewer model is needed to determine available service areas for both new and existing sewage pump stations. FY 2017's funding is for a two different studies. (1) PSSA sewer model to ensure development projects are constructing or improving infrastructure in the appropriate sewershed, in order for the County to efficiently manage future flows in the most cost effective manner. An expansion of the current County sewer model is needed to include small diameter sewer pipes not currently being analyzed. PSSA is estimated to cost \$30,000. (2) To develop a Dynamic Sewer Model which will demonstrate extended peak flows in the system from storm events, and assisting the County staff in determining previously unforeseen operational issues or system failures. This model will cost \$176,000 over next three fiscal years (FY17-FY19).</p>					
VARIANCE TO APPROVED PER FY16-FY20 CAPITAL IMPROVEMENT PROGRAM:					
	FY 2017	FY 2018	FY 2019	FY 2020	TOTAL
Approved FY16-FY20 CIP	\$103	\$103	\$103	\$103	\$412
Increase/(Decrease)	\$69	\$69	\$55	\$0	\$193
% change	67.0%	67.0%	53.4%	0.0%	46.8%

EXPENSE BUDGET	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year			
						Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Architectural & Engineering	\$93	\$93	\$80	\$30	\$30	\$326	\$180	\$30	\$536
Land & ROW	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0
Equipment	0	0	0	0	0	0	0	0	0
Administration	66	66	66	66	66	330	116	66	512
Administration - FAS	3	3	3	3	3	15	14	3	32
Inspection	0	0	0	0	0	0	0	0	0
Miscellaneous	1	1	1	0	0	3	0	0	3
Contingency	9	9	8	4	4	34	24	4	62
Total Outlay	\$172	\$172	\$158	\$103	\$103	\$708	\$334	\$103	\$1,145

FINANCING SOURCES	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year			
						Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Bonds (30 Year)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Fund Balance Appropriation	0	0	0	0	0	0	0	0	0
Operating Transfer	172	172	158	103	103	708	334	103	1,145
Total County Funding	\$172	\$172	\$158	\$103	\$103	\$708	\$334	\$103	\$1,145
Federal	0	0	0	0	0	0	0	0	0
State	0	0	0	0	0	0	0	0	0
Other: WSSC @ 15%	0	0	0	0	0	0	0	0	0
Other:	0	0	0	0	0	0	0	0	0
Total Funding	\$172	\$172	\$158	\$103	\$103	\$708	\$334	\$103	\$1,145

Operating Budget Impact	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Approp. Beyond thru FY16 FY 2021	
No. of Personnel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Personnel Costs	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Increase to Sewer User Fee:	1.7¢	0.0¢	-0.3¢	-1.1¢	0.0¢	2.5¢	0.0¢

LOCATION:
County-wide

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2017

(\$ in thousands)

PROJECT NAME: Mattawoman WWTP Berm Relocation	Sewer User Sewer Connection	0% 100%	Requested By: PGM Project #: 7094		
Design and relocation of the existing WWTP perimeter berm to the edge of the property to facilitate future expansion. This will include MDE permitting and wetland mitigation.					
VARIANCE TO APPROVED PER FY16-FY20 CAPITAL IMPROVEMENT PROGRAM:					
	FY 2017	FY 2018	FY 2019	FY 2020	TOTAL
Approved FY16-FY20 CIP	\$692	\$640	\$0	\$0	\$1,332
Increase/(Decrease)	(\$359)	(\$405)	\$302	\$282	(\$180)
% change	-51.9%	-63.3%	new	new	-13.5%

EXPENSE BUDGET	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year			
						Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Architectural & Engineering	\$298	\$200	\$200	\$200	\$0	\$898	\$300	\$0	\$1,198
Land & ROW	0	0	84	0	0	84	546	0	630
Construction	0	0	0	30	122	152	0	1,261	1,413
Equipment	0	0	0	0	0	0	0	0	0
Administration	15	15	15	15	15	75	17	15	107
Administration - FAS	3	3	3	3	3	15	4	3	22
Inspection	0	0	0	15	15	30	0	15	45
Miscellaneous	17	17	0	0	0	34	31	17	82
Contingency	0	0	0	19	25	44	31	55	130
Total Outlay	\$333	\$235	\$302	\$282	\$180	\$1,332	\$929	\$1,366	\$3,627

FINANCING SOURCES	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Bonds (30 Year)	\$333	\$235	\$302	\$282	\$180	\$1,332	\$929	\$1,366	\$3,627
Fund Balance Appropriation	0	0	0	0	0	0	0	0	0
Operating Transfer	0	0	0	0	0	0	0	0	0
Total County Funding	\$333	\$235	\$302	\$282	\$180	\$1,332	\$929	\$1,366	\$3,627
Federal	0	0	0	0	0	0	0	0	0
State	0	0	0	0	0	0	0	0	0
Other: WSSC @ 15%	0	0	0	0	0	0	0	0	0
Other:	0	0	0	0	0	0	0	0	0
Total Funding	\$333	\$235	\$302	\$282	\$180	\$1,332	\$929	\$1,366	\$3,627

Operating Budget Impact	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Approp. thru FY16	Beyond FY 2021
No. of Personnel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Personnel Costs	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	53.1	73.9	88.6	107.6	125.3	53.1	222.5
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$53.1	\$73.9	\$88.6	\$107.6	\$125.3	\$53.1	\$222.5
Increase to Sewer User Fee:	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢

LOCATION:
Mattawoman WWTP

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2017

(\$ in thousands)

PROJECT NAME:	Sewer User	100%	Requested By: PGM		
Piney Branch Sewer Replacement (Upper Reaches)	Sewer Connection	0%	Project #: 7104		
Design and construction of new gravity sewer to replace approximately 2,500 l.f. of existing 36" gravity from outfall of the existing force main at JP Morgan Court to US301. The existing sewer is deteriorated due to hydrogen sulfide gases.					
VARIANCE TO APPROVED PER FY16-FY20 CAPITAL IMPROVEMENT PROGRAM:					
	FY 2017	FY 2018	FY 2019	FY 2020	TOTAL
Approved FY16-FY20 CIP	\$479	\$0	\$0	\$0	\$479
Increase/(Decrease)	\$0	\$0	\$0	\$0	\$0
% change	0.0%	n/a	n/a	n/a	0.0%

EXPENSE BUDGET	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year			
						Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Architectural & Engineering	\$0	\$0	\$0	\$0	\$0	\$0	\$150	\$0	\$150
Land & ROW	0	0	0	0	0	0	90	0	90
Construction	400	0	0	0	0	400	1,113	0	1,513
Equipment	0	0	0	0	0	0	0	0	0
Administration	20	0	0	0	0	20	32	0	52
Administration - FAS	3	0	0	0	0	3	6	0	9
Inspection	12	0	0	0	0	12	16	0	28
Miscellaneous	4	0	0	0	0	4	7	0	11
Contingency	40	0	0	0	0	40	60	0	100
Total Outlay	\$479	\$0	\$0	\$0	\$0	\$479	\$1,474	\$0	\$1,953

FINANCING SOURCES		FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year			
							Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Bonds	(15 Year)	\$479	\$0	\$0	\$0	\$0	\$479	\$1,474	\$0	\$1,953
Fund Balance Appropriation		0	0	0	0	0	0	0	0	0
Operating Transfer		0	0	0	0	0	0	0	0	0
Total County Funding		\$479	\$0	\$0	\$0	\$0	\$479	\$1,474	\$0	\$1,953
Federal		0	0	0	0	0	0	0	0	0
State		0	0	0	0	0	0	0	0	0
Other: WSSC @ 15%		0	0	0	0	0	0	0	0	0
Other:		0	0	0	0	0	0	0	0	0
Total Funding		\$479	\$0	\$0	\$0	\$0	\$479	\$1,474	\$0	\$1,953

Operating Budget Impact	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Approp. Beyond	
						thru FY16	FY 2021
No. of Personnel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Personnel Costs	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0						
Debt Service: Bonds	122.6	164.6	164.6	164.6	164.6	122.6	164.6
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$122.6	\$164.6	\$164.6	\$164.6	\$164.6	\$122.6	\$164.6
Increase to Sewer User Fee:	5.4¢	6.4¢	6.3¢	5.9¢	5.8¢	5.4¢	5.7¢

LOCATION:
ADC MAP 10(E4-D3)

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2017

(\$ in thousands)

PROJECT NAME: MD. Route 5 Pump Station Forcemain	Sewer User Sewer Connection	50% 50%	Requested By: PGM Project #: 7106		
Design and construct approximately 4,000 l.f. of 10" force main to convert flows from the MD Route 5 Pump Station to the St. Marks Pump Station. When completed, this forcemain will relieve capacity in the Zekiah Pump Station.					
VARIANCE TO APPROVED PER FY16-FY20 CAPITAL IMPROVEMENT PROGRAM:					
	FY 2017	FY 2018	FY 2019	FY 2020	TOTAL
Approved FY16-FY20 CIP	\$177	\$177	\$0	\$0	\$354
Increase/(Decrease)	\$0	\$540	\$0	\$0	\$540
% change	0.0%	305.1%	n/a	n/a	152.5%

EXPENSE BUDGET	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year			
						Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Architectural & Engineering	\$58	\$0	\$0	\$0	\$0	\$58	\$170	\$0	\$228
Land & ROW	80	0	0	0	0	80	60	0	140
Construction	0	580	0	0	0	580	750	0	1,330
Equipment	0	0	0	0	0	0	0	0	0
Administration	12	46	0	0	0	58	27	0	85
Administration - FAS	3	3	0	0	0	6	6	0	12
Inspection	9	25	0	0	0	34	14	0	48
Miscellaneous	15	5	0	0	0	20	6	0	26
Contingency	0	58	0	0	0	58	50	0	108
Total Outlay	\$177	\$717	\$0	\$0	\$0	\$894	\$1,083	\$0	\$1,977

FINANCING SOURCES	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021				
Bonds (30 Year)	\$177	\$717	\$0	\$0	\$0	\$894	\$1,083	\$0	\$1,977
Fund Balance Appropriation	0	0	0	0	0	0	0	0	0
Operating Transfer	0	0	0	0	0	0	0	0	0
Total County Funding	\$177	\$717	\$0	\$0	\$0	\$894	\$1,083	\$0	\$1,977
Federal	0	0	0	0	0	0	0	0	0
State	0	0	0	0	0	0	0	0	0
Other: WSSC @ 15%	0	0	0	0	0	0	0	0	0
Other:	0	0	0	0	0	0	0	0	0
Total Funding	\$177	\$717	\$0	\$0	\$0	\$894	\$1,083	\$0	\$1,977

Operating Budget Impact	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Approp. Beyond thru FY16 FY 2021	
No. of Personnel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Personnel Costs	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	61.9	72.9	118.0	118.0	118.0	61.9	118.0
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$61.9	\$72.9	\$118.0	\$118.0	\$118.0	\$61.9	\$118.0
Increase to Sewer User Fee:	1.4¢	1.4¢	2.2¢	2.1¢	2.1¢	1.4¢	2.0¢

LOCATION:
ADC MAP 10(K4-H5)

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2017

(\$ in thousands)

PROJECT NAME: Zekiah Pump Station Upgrade	Sewer User 23%	Requested By: PGM			
	Sewer Connection 77%	Project #: 7107			
<p>Design and construct to expand the capacity of the Zekiah Pumping Station from approximately 3.0 MGD to 10.5 MGD. The developer of Adams Crossing previously expanded the Zekiah Pump Station from 1 MGD to approximately 3.0 MGD. To accomplish this expansion, the existing pump station will be fully replaced.</p>					
VARIANCE TO APPROVED PER FY16-FY20 CAPITAL IMPROVEMENT PROGRAM:					
	FY 2017	FY 2018	FY 2019	FY 2020	TOTAL
Approved FY16-FY20 CIP	\$598	\$598	\$598	\$0	\$1,794
Increase/(Decrease)	(\$598)	(\$598)	\$0	\$598	(\$598)
% change	-100.0%	-100.0%	0.0%	new	-33.3%

EXPENSE BUDGET	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year			
						Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Architectural & Engineering	\$0	\$0	\$0	\$0	\$0	\$0	\$200	\$0	\$200
Land & ROW	0	0	0	0	0	0	0	0	0
Construction	0	0	500	500	500	1,500	500	0	2,000
Equipment	0	0	0	0	0	0	0	0	0
Administration	0	0	25	25	25	75	35	0	110
Administration - FAS	0	0	3	3	3	9	6	0	15
Inspection	0	0	15	15	15	45	21	0	66
Miscellaneous	0	0	5	5	5	15	7	0	22
Contingency	0	0	50	50	50	150	50	0	200
Total Outlay	\$0	\$0	\$598	\$598	\$598	\$1,794	\$819	\$0	\$2,613

FINANCING SOURCES		FY 2017	FY 2018	FY 2019	FY 2020	FY 2021				
Bonds (30 Year)		\$0	\$0	\$598	\$598	\$598	\$1,794	\$819	\$0	\$2,613
Fund Balance Appropriation		0	0	0	0	0	0	0	0	0
Operating Transfer		0	0	0	0	0	0	0	0	0
Total County Funding		\$0	\$0	\$598	\$598	\$598	\$1,794	\$819	\$0	\$2,613
Federal		0	0	0	0	0	0	0	0	0
State		0	0	0	0	0	0	0	0	0
Other: WSSC @ 15%		0	0	0	0	0	0	0	0	0
Other:		0	0	0	0	0	0	0	0	0
Total Funding		\$0	\$0	\$598	\$598	\$598	\$1,794	\$819	\$0	\$2,613

Operating Budget Impact	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Approp. Beyond thru FY16 FY 2021	
No. of Personnel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Personnel Costs	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	46.8	46.8	46.8	84.4	122.0	46.8	159.5
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$46.8	\$46.8	\$46.8	\$84.4	\$122.0	\$46.8	\$159.5
Increase to Sewer User Fee:	0.5¢	0.4¢	0.4¢	0.7¢	1.0¢	0.5¢	1.3¢

LOCATION:
ADC MAP 10(H2)

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2017

(\$ in thousands)

PROJECT NAME: Zekiah Pump Station Forcemain	Sewer User 23%	Requested By: PGM			
	Sewer Connection 77%	Project #: 7108			
Design and construct approximately 7,000 l.f. of 18" force main from Zekiah Pump Station. This project is necessary to accommodate the increased flows generated when the Zekiah Pump Station is upgraded to 10.5 MGD. The new forcemain will run from the existing Zekiah Pump Station along Acton Lane to the intersection of Acton Lane and U.S. Route 301.					
VARIANCE TO APPROVED PER FY16-FY20 CAPITAL IMPROVEMENT PROGRAM:					
	FY 2017	FY 2018	FY 2019	FY 2020	TOTAL
Approved FY16-FY20 CIP	\$598	\$1,143	\$0	\$0	\$1,741
Increase/(Decrease)	(\$434)	(\$979)	\$598	\$1,143	\$328
% change	-72.6%	-85.7%	new	new	18.8%

EXPENSE BUDGET	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year			
						Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Architectural & Engineering	\$0	\$0	\$0	\$0	\$0	\$0	\$110	\$0	\$110
Land & ROW	150	150	0	0	0	300	200	0	500
Construction	0	0	500	1,000	0	1,500	500	0	2,000
Equipment	0	0	0	0	0	0	0	0	0
Administration	11	11	25	50	0	97	41	0	138
Administration - FAS	3	3	3	3	0	12	6	0	18
Inspection	0	0	15	30	0	45	24	0	69
Miscellaneous	0	0	5	10	0	15	7	0	22
Contingency	0	0	50	50	0	100	50	0	150
Total Outlay	\$164	\$164	\$598	\$1,143	\$0	\$2,069	\$938	\$0	\$3,007

FINANCING SOURCES		FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year			
							Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Bonds (30 Year)		\$164	\$164	\$598	\$1,143	\$0	\$2,069	\$938	\$0	\$3,007
Fund Balance Appropriation		0	0	0	0	0	0	0	0	0
Operating Transfer		0	0	0	0	0	0	0	0	0
Total County Funding		\$164	\$164	\$598	\$1,143	\$0	\$2,069	\$938	\$0	\$3,007
Federal		0	0	0	0	0	0	0	0	0
State		0	0	0	0	0	0	0	0	0
Other: WSSC @ 15%		0	0	0	0	0	0	0	0	0
Other:		0	0	0	0	0	0	0	0	0
Total Funding		\$164	\$164	\$598	\$1,143	\$0	\$2,069	\$938	\$0	\$3,007

Operating Budget Impact	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Approp. Beyond	
						thru FY16	FY 2021
No. of Personnel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Personnel Costs	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	53.6	63.8	74.1	111.7	183.6	53.6	183.6
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$53.6	\$63.8	\$74.1	\$111.7	\$183.6	\$53.6	\$183.6
Increase to Sewer User Fee:	0.5¢	0.6¢	0.6¢	0.9¢	1.5¢	0.5¢	1.5¢

LOCATION:
ADC MAP 10(H2)

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2017

(\$ in thousands)

PROJECT NAME: Zekiah Interceptor Sewer Upgrades	Sewer User Sewer Connection	23% 77%	Requested By: PGM Project #: 7109		
Design and construct approximately 6,500 l.f. of 36" Gravity sewer to provide additional capacity in the sewer system to serve the future development of the Zekiah service area.					
VARIANCE TO APPROVED PER FY16-FY20 CAPITAL IMPROVEMENT PROGRAM:					
	FY 2017	FY 2018	FY 2019	FY 2020	TOTAL
Approved FY16-FY20 CIP	\$799	\$799	\$799	\$0	\$2,397
Increase/(Decrease)	\$0	\$0	\$0	\$0	\$0
% change	0.0%	0.0%	0.0%	n/a	0.0%

EXPENSE BUDGET	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year			
						Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Architectural & Engineering	\$0	\$0	\$0	\$0	\$0	\$0	\$360	\$0	\$360
Land & ROW	20	20	20	0	0	60	40	0	100
Construction	650	650	650	0	0	1,950	650	0	2,600
Equipment	0	0	0	0	0	0	0	0	0
Administration	34	34	34	0	0	102	53	0	155
Administration - FAS	3	3	3	0	0	9	6	0	15
Inspection	20	20	20	0	0	60	31	0	91
Miscellaneous	7	7	7	0	0	21	11	0	32
Contingency	65	65	65	0	0	195	65	0	260
Total Outlay	\$799	\$799	\$799	\$0	\$0	\$2,397	\$1,216	\$0	\$3,613

FINANCING SOURCES	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Bonds (30 Year)	\$799	\$799	\$799	\$0	\$0	\$2,397	\$1,216	\$0	\$3,613
Fund Balance Appropriation	0	0	0	0	0	0	0	0	0
Operating Transfer	0	0	0	0	0	0	0	0	0
Total County Funding	\$799	\$799	\$799	\$0	\$0	\$2,397	\$1,216	\$0	\$3,613
Federal	0	0	0	0	0	0	0	0	0
State	0	0	0	0	0	0	0	0	0
Other: WSSC @ 15%	0	0	0	0	0	0	0	0	0
Other:	0	0	0	0	0	0	0	0	0
Total Funding	\$799	\$799	\$799	\$0	\$0	\$2,397	\$1,216	\$0	\$3,613

Operating Budget Impact	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Approp. thru FY16	Beyond FY 2021
No. of Personnel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Personnel Costs	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	69.5	119.4	169.6	219.8	219.8	69.5	219.8
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$69.5	\$119.4	\$169.6	\$219.8	\$219.8	\$69.5	\$219.8
Increase to Sewer User Fee:	0.7¢	1.1¢	1.5¢	1.8¢	1.8¢	0.7¢	1.8¢

LOCATION:
ADC MAP 4(D10 to G12)

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2017

(\$ in thousands)

PROJECT NAME: Cliffton WWTP Improvements	Sewer User 100%	Requested By: DPW			
	Sewer Connection 0%	Project #: 7123			
<p>Cliffton WWTP was constructed in the 1970's and is in need of equipment overhaul and replacement to improve treatment reliability and operability. Project includes complete evaluation of treatment plant and implementation of recommended improvements.</p>					
VARIANCE TO APPROVED PER FY16-FY20 CAPITAL IMPROVEMENT PROGRAM:					
	FY 2017	FY 2018	FY 2019	FY 2020	TOTAL
Approved FY16-FY20 CIP	\$981	\$2,351	\$0	\$0	\$3,332
Increase/(Decrease)	\$522	(\$848)	\$0	\$0	(\$326)
% change	53.2%	-36.1%	n/a	n/a	-9.8%

EXPENSE BUDGET	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year			
						Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Architectural & Engineering	\$125	\$125	\$0	\$0	\$0	\$250	\$225	\$0	\$475
Land & ROW	0	0	0	0	0	0	0	0	0
Construction	1,125	1,125	0	0	0	2,250	0	0	2,250
Equipment	0	0	0	0	0	0	0	0	0
Administration	12	12	0	0	0	24	0	0	24
Administration - FAS	3	3	0	0	0	6	15	0	21
Inspection	125	125	0	0	0	250	0	0	250
Miscellaneous	0	0	0	0	0	0	0	0	0
Contingency	113	113	0	0	0	226	0	0	226
Total Outlay	\$1,503	\$1,503	\$0	\$0	\$0	\$3,006	\$240	\$0	\$3,246

FINANCING SOURCES	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Bonds (15 Year)	\$1,503	\$1,503	\$0	\$0	\$0	\$3,006	\$240	\$0	\$3,246
Fund Balance Appropriation	0	0	0	0	0	0	0	0	0
Operating Transfer	0	0	0	0	0	0	0	0	0
Total County Funding	\$1,503	\$1,503	\$0	\$0	\$0	\$3,006	\$240	\$0	\$3,246
Federal	0	0	0	0	0	0	0	0	0
State	0	0	0	0	0	0	0	0	0
Other: WSSC @ 15%	0	0	0	0	0	0	0	0	0
Other:	0	0	0	0	0	0	0	0	0
Total Funding	\$1,503	\$1,503	\$0	\$0	\$0	\$3,006	\$240	\$0	\$3,246

Operating Budget Impact	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Approp. thru FY16	Beyond FY 2021
No. of Personnel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Personnel Costs	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	20.0	151.9	284.2	284.2	284.2	20.0	284.2
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$20.0	\$151.9	\$284.2	\$284.2	\$284.2	\$20.0	\$284.2
Increase to Sewer User Fee:	0.9¢	5.9¢	10.8¢	10.1¢	10.0¢	0.9¢	9.8¢

LOCATION: Cliffton, MD

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2017

(\$ in thousands)

PROJECT NAME:	Sewer User 75%	Requested By: PGM			
Mt. Carmel Woods/College of Southern Maryland (CSM) Pump Stations & Force mains Phase 3	Sewer Connection 25%	Project #: 7058			
<p>To provide sewer to meet the schedule for the proposed National Guard Readiness Center, the Mt. Carmel/CSM Pump Station and Force main project will be constructed in two phases. As a result of this phasing, design parameters were changed resulting in an increase in construction costs. Preliminary investigations resulted in the recommendation of a gravity sewer in lieu of the previously proposed force main along Bumpy Oak Rd. to tie into the Mattawoman Interceptor Sewer near the Indian Head Rail Trail. This new alignment also increases land acquisition costs significantly.</p>					
VARIANCE TO APPROVED PER FY16-FY20 CAPITAL IMPROVEMENT PROGRAM:					
	FY 2017	FY 2018	FY 2019	FY 2020	TOTAL
Approved FY16-FY20 CIP	\$3,575	\$0	\$0	\$0	\$3,575
Increase/(Decrease)	\$0	\$0	\$0	\$0	\$0
% change	0.0%	n/a	n/a	n/a	0.0%

EXPENSE BUDGET	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year			
						Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Architectural & Engineering	\$0	\$0	\$0	\$0	\$0	\$0	\$296	\$0	\$296
Land & ROW	1,500	0	0	0	0	1,500	1,541	0	3,041
Construction	1,700	0	0	0	0	1,700	7,587	0	9,287
Equipment	0	0	0	0	0	0	0	0	0
Administration	130	0	0	0	0	130	298	0	428
Administration - FAS	3	0	0	0	0	3	9	0	12
Inspection	67	0	0	0	0	67	480	0	547
Miscellaneous	5	0	0	0	0	5	82	0	87
Contingency	170	0	0	0	0	170	721	0	891
Total Outlay	\$3,575	\$0	\$0	\$0	\$0	\$3,575	\$11,015	\$0	\$14,590

FINANCING SOURCES	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Bonds (30 Year)	\$3,575	\$0	\$0	\$0	\$0	\$3,575	\$10,437	\$0	\$14,012
Fund Balance Appropriation	0	0	0	0	0	0	0	0	0
Operating Transfer	0	0	0	0	0	0	32	0	32
Total County Funding	\$3,575	\$0	\$0	\$0	\$0	\$3,575	\$10,469	\$0	\$14,044
Federal	0	0	0	0	0	0	0	0	0
State	0	0	0	0	0	0	546	0	546
Other: WSSC @ 15%	0	0	0	0	0	0	0	0	0
Other:	0	0	0	0	0	0	0	0	0
Total Funding	\$3,575	\$0	\$0	\$0	\$0	\$3,575	\$11,015	\$0	\$14,590

Operating Budget Impact	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Approp. thru FY16	Beyond FY 2021
No. of Personnel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Personnel Costs	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	596.3	819.6	819.6	819.6	819.6	596.3	819.6
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$596.3	\$819.6	\$819.6	\$819.6	\$819.6	\$596.3	\$819.6
Increase to Sewer User Fee:	20.9¢	23.7¢	23.4¢	21.9¢	21.6¢	20.9¢	21.3¢

LOCATION:
Mt. Carmel Woods/College of Southern Maryland (CSM)

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2017

(\$ in thousands)

PROJECT NAME:	Sewer User 55%	Requested By: DPW																								
MWWTP Belt Filter Press Replacement	Sewer Connection 45%	Project #: 7116																								
<p>Belt Filter Presses #1 through #3 of the sludge process at MWWTP are aged and in need of replacement. Work includes replacement of all mechanical, electrical, and structural components.</p>																										
VARIANCE TO APPROVED PER FY16-FY20 CAPITAL IMPROVEMENT PROGRAM:		<i>Further evaluation determined that additional, more extensive improvements were necessary and that replacing the belt filter presses with centrifuges was a better alternative than replacing in kind.</i>																								
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>FY 2017</th> <th>FY 2018</th> <th>FY 2019</th> <th>FY 2020</th> </tr> </thead> <tbody> <tr> <td>Approved FY16-FY20 CIP</td> <td style="text-align: right;">\$1,935</td> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$0</td> </tr> <tr> <td>Increase/(Decrease)</td> <td style="text-align: right;">\$2,115</td> <td style="text-align: right;">\$4,050</td> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$0</td> </tr> <tr> <td>% change</td> <td style="text-align: right;">109.3%</td> <td style="text-align: right;">new</td> <td style="text-align: right;">n/a</td> <td style="text-align: right;">n/a</td> </tr> </tbody> </table>		FY 2017	FY 2018	FY 2019	FY 2020	Approved FY16-FY20 CIP	\$1,935	\$0	\$0	\$0	Increase/(Decrease)	\$2,115	\$4,050	\$0	\$0	% change	109.3%	new	n/a	n/a	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>TOTAL</th> </tr> </thead> <tbody> <tr> <td style="text-align: right;">\$1,935</td> </tr> <tr> <td style="text-align: right;">\$6,165</td> </tr> <tr> <td style="text-align: right;">318.6%</td> </tr> </tbody> </table>	TOTAL	\$1,935	\$6,165	318.6%
	FY 2017	FY 2018	FY 2019	FY 2020																						
Approved FY16-FY20 CIP	\$1,935	\$0	\$0	\$0																						
Increase/(Decrease)	\$2,115	\$4,050	\$0	\$0																						
% change	109.3%	new	n/a	n/a																						
TOTAL																										
\$1,935																										
\$6,165																										
318.6%																										

EXPENSE BUDGET	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year			
						Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Architectural & Engineering	\$175	\$175	\$0	\$0	\$0	\$350	\$255	\$0	\$605
Land & ROW	0	0	0	0	0	0	0	0	0
Construction	3,350	3,350	0	0	0	6,700	800	0	7,500
Equipment	0	0	0	0	0	0	0	0	0
Administration	12	12	0	0	0	24	0	0	24
Administration - FAS	3	3	0	0	0	6	30	0	36
Inspection	175	175	0	0	0	350	40	0	390
Miscellaneous	0	0	0	0	0	0	0	0	0
Contingency	335	335	0	0	0	670	80	0	750
Total Outlay	\$4,050	\$4,050	\$0	\$0	\$0	\$8,100	\$1,205	\$0	\$9,305

FINANCING SOURCES	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year			
						Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Bonds (30 Year)	\$3,442	\$3,442	\$0	\$0	\$0	\$6,884	\$1,024	\$0	\$7,908
Fund Balance Appropriation	0	0	0	0	0	0	0	0	0
Operating Transfer	0	0	0	0	0	0	0	0	0
Total County Funding	\$3,442	\$3,442	\$0	\$0	\$0	\$6,884	\$1,024	\$0	\$7,908
Federal	0	0	0	0	0	0	0	0	0
State	0	0	0	0	0	0	0	0	0
Other: WSSC @ 15%	608	608	0	0	0	1,216	181	0	1,397
Other:	0	0	0	0	0	0	0	0	0
Total Funding	\$4,050	\$4,050	\$0	\$0	\$0	\$8,100	\$1,205	\$0	\$9,305

Operating Budget Impact	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Approp. Beyond	
						thru FY16	FY 2021
No. of Personnel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Personnel Costs	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Operating	0.0	0.0	-99.3	-101.3	-103.3	0.0	-105.4
Total Operating	\$0.0	\$0.0	-\$99.3	-\$101.3	-\$103.3	\$0.0	-\$105.4
Debt Service: Bonds	58.5	273.6	489.9	489.9	489.9	58.5	489.9
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$58.5	\$273.6	\$390.6	\$388.6	\$386.6	\$58.5	\$384.5
Increase to Sewer User Fee:	1.4¢	5.8¢	6.5¢	6.0¢	5.8¢	1.4¢	5.7¢

LOCATION:
Mattawoman WWTP

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2017

(\$ in thousands)

PROJECT NAME: MWWTP Primary Clarifiers #1-4 Demolition	Sewer User 55% Sewer Connection 45%	Requested By: DPW Project #:			
Existing Primary Clarifiers #1-4 at MWWTP are original to the plant. Flows at MWWTP have exceeded the capabilities of these units leaving them inoperative. Work includes proper demolition of these structures.					
VARIANCE TO APPROVED PER FY16-FY20 CAPITAL IMPROVEMENT PROGRAM:					
	FY 2017	FY 2018	FY 2019	FY 2020	TOTAL
Approved FY16-FY20 CIP	\$0	\$0	\$0	\$190	\$190
Increase/(Decrease)	\$0	\$0	\$0	\$0	\$0
% change	n/a	n/a	n/a	0.0%	0.0%

EXPENSE BUDGET	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year			
						Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Architectural & Engineering	\$0	\$0	\$0	\$175	\$145	\$320	\$0	\$145	\$465
Land & ROW	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	1,450	1,450
Equipment	0	0	0	0	0	0	0	0	0
Administration	0	0	0	12	10	22	0	15	37
Administration - FAS	0	0	0	3	3	6	0	0	6
Inspection	0	0	0	0	0	0	0	145	145
Miscellaneous	0	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	145	145
Total Outlay	\$0	\$0	\$0	\$190	\$158	\$348	\$0	\$1,900	\$2,248

FINANCING SOURCES		FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year			
							Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Bonds (30 Year)		\$0	\$0	\$0	\$161	\$134	\$295	\$0	\$1,615	\$1,910
Fund Balance Appropriation		0	0	0	0	0	0	0	0	0
Operating Transfer		0	0	0	0	0	0	0	0	0
Total County Funding		\$0	\$0	\$0	\$161	\$134	\$295	\$0	\$1,615	\$1,910
Federal		0	0	0	0	0	0	0	0	0
State		0	0	0	0	0	0	0	0	0
Other: WSSC @ 15%		0	0	0	29	24	53	0	285	338
Other:		0	0	0	0	0	0	0	0	0
Total Funding		\$0	\$0	\$0	\$190	\$158	\$348	\$0	\$1,900	\$2,248

Operating Budget Impact	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Approp. Beyond	
						thru FY16	FY 2021
No. of Personnel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Personnel Costs	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	0.0	0.0	0.0	0.0	10.1	0.0	120.0
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$0.0	\$0.0	\$0.0	\$0.0	\$10.1	\$0.0	\$120.0
Increase to Sewer User Fee:	0.0¢	0.0¢	0.0¢	0.0¢	0.2¢	0.0¢	2.3¢

LOCATION:
Mattawoman WWTP

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2017

(\$ in thousands)

PROJECT NAME: Hughesville Sewer System	Sewer User Sewer Connection	0% 100%	Requested By: PGM Project #:		
Design and construct a centralized sewer collection system for the Hughesville Village core. This project includes approximately 12,700 l.f. of 10" gravity sewer but does not include treatment facilities.					
VARIANCE TO APPROVED PER FY16-FY20 CAPITAL IMPROVEMENT PROGRAM:					
	FY 2017	FY 2018	FY 2019	FY 2020	TOTAL
Approved FY16-FY20 CIP	\$0	\$842	\$2,139	\$2,139	\$5,120
Increase/(Decrease)	\$0	\$0	\$0	\$0	\$0
% change	<i>n/a</i>	<i>0.0%</i>	<i>0.0%</i>	<i>0.0%</i>	<i>0.0%</i>

EXPENSE BUDGET	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year			
						Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Architectural & Engineering	\$0	\$350	\$0	\$0	\$0	\$350	\$0	\$0	\$350
Land & ROW	0	380	0	0	0	380	0	0	380
Construction	0	0	1,750	1,750	0	3,500	0	0	3,500
Equipment	0	0	0	0	0	0	0	0	0
Administration	0	57	133	133	0	323	0	0	323
Administration - FAS	0	3	3	3	0	9	0	0	9
Inspection	0	0	73	73	0	146	0	0	146
Miscellaneous	0	15	5	5	0	25	0	0	25
Contingency	0	37	175	175	0	387	0	0	387
Total Outlay	\$0	\$842	\$2,139	\$2,139	\$0	\$5,120	\$0	\$0	\$5,120

FINANCING SOURCES		FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year			
							Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Bonds (30 Year)		\$0	\$716	\$1,818	\$1,818	\$0	\$4,352	\$0	\$0	\$4,352
Fund Balance Appropriation		0	0	0	0	0	0	0	0	0
Operating Transfer		0	0	0	0	0	0	0	0	0
Total County Funding		\$0	\$716	\$1,818	\$1,818	\$0	\$4,352	\$0	\$0	\$4,352
Federal		0	0	0	0	0	0	0	0	0
State		0	0	0	0	0	0	0	0	0
Other: WSSC @ 15%		0	126	321	321	0	768	0	0	768
Other:		0	0	0	0	0	0	0	0	0
Total Funding		\$0	\$842	\$2,139	\$2,139	\$0	\$5,120	\$0	\$0	\$5,120

Operating Budget Impact	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Approp. Beyond	
						thru FY16	FY 2021
No. of Personnel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Personnel Costs	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	0.0	0.0	45.0	159.2	273.5	0.0	273.5
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$0.0	\$0.0	\$45.0	\$159.2	\$273.5	\$0.0	\$273.5
Increase to Sewer User Fee:	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢

LOCATION:
Hughesville

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2017

(\$ in thousands)

PROJECT NAME: Southwinds Pump Station Outfall Gravity Sewer	Sewer User Sewer Connection	100% 0%	Requested By: PGM Project #: 7125		
<p>Redirect the Southwinds Pump Station sewer flows to the White Plains Failing Septic gravity system which flows to the Demar Pump Station. This project will remove flow from the Dorchester Pump Station and sewer outfall.</p>					
VARIANCE TO APPROVED PER FY16-FY20 CAPITAL IMPROVEMENT PROGRAM:					
	FY 2017	FY 2018	FY 2019	FY 2020	TOTAL
Approved FY16-FY20 CIP	\$498	\$0	\$0	\$0	\$498
Increase/(Decrease)	\$0	\$0	\$0	\$0	\$0
% change	0.0%	n/a	n/a	n/a	0.0%

EXPENSE BUDGET	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year			
						Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Architectural & Engineering	\$0	\$0	\$0	\$0	\$0	\$0	\$40	\$0	\$40
Land & ROW	0	0	0	0	0	0	40	0	40
Construction	400	0	0	0	0	400	0	0	400
Equipment	0	0	0	0	0	0	0	0	0
Administration	32	0	0	0	0	32	8	0	40
Administration - FAS	3	0	0	0	0	3	3	0	6
Inspection	18	0	0	0	0	18	0	0	18
Miscellaneous	5	0	0	0	0	5	15	0	20
Contingency	40	0	0	0	0	40	0	0	40
Total Outlay	\$498	\$0	\$0	\$0	\$0	\$498	\$106	\$0	\$604

FINANCING SOURCES		FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year			
							Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Bonds (15 Year)		\$498	\$0	\$0	\$0	\$0	\$498	\$106	\$0	\$604
Fund Balance Appropriation		0	0	0	0	0	0	0	0	0
Operating Transfer		0	0	0	0	0	0	0	0	0
Total County Funding		\$498	\$0	\$0	\$0	\$0	\$498	\$106	\$0	\$604
Federal		0	0	0	0	0	0	0	0	0
State		0	0	0	0	0	0	0	0	0
Other: WSSC @ 15%		0	0	0	0	0	0	0	0	0
Other:		0	0	0	0	0	0	0	0	0
Total Funding		\$498	\$0	\$0	\$0	\$0	\$498	\$106	\$0	\$604

Operating Budget Impact	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Approp. Beyond	
						thru FY16	FY 2021
No. of Personnel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Personnel Costs	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	8.8	52.5	52.5	52.5	52.5	8.8	52.5
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$8.8	\$52.5	\$52.5	\$52.5	\$52.5	\$8.8	\$52.5
Increase to Sewer User Fee:	0.4¢	2.0¢	2.0¢	1.9¢	1.8¢	0.4¢	1.8¢

LOCATION:
Southwinds Pump Station

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2017

(\$ in thousands)

PROJECT NAME:	Sewer User	55%	Requested By:	DPW	
MWWTP Septage Receiving Facility Improvements	Sewer Connection	45%	Project #:		
This facility does not have sufficient means of debris removal that causes constant clogging of pumps and extensive cleaning of the wetwell on a routine basis. This project will evaluate methods of debris removal for this facility and then implement the best approach.					
VARIANCE TO APPROVED PER FY16-FY20 CAPITAL IMPROVEMENT PROGRAM:					
	FY 2017	FY 2018	FY 2019	FY 2020	TOTAL
Approved FY16-FY20 CIP	\$0	\$0	\$0	\$0	\$0
Increase/(Decrease)	\$60	\$90	\$268	\$508	\$926
% change	new	new	new	new	new

EXPENSE BUDGET	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year Total	Approp.	Beyond	Project
						'17-'21	thru FY16	FY 2021	Total
Architectural & Engineering	\$45	\$75	\$25	\$25	\$0	\$170	\$0	\$0	\$170
Land & ROW	0	0	0	0	0	0	0	0	0
Construction	0	0	175	375	0	550	0	0	550
Equipment	0	0	0	0	0	0	0	0	0
Administration	12	12	12	12	0	48	0	0	48
Administration - FAS	3	3	3	3	0	12	0	0	12
Inspection	0	0	35	55	0	90	0	0	90
Miscellaneous	0	0	0	0	0	0	0	0	0
Contingency	0	0	18	38	0	56	0	0	56
Total Outlay	\$60	\$90	\$268	\$508	\$0	\$926	\$0	\$0	\$926

FINANCING SOURCES	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year Total	Approp.	Beyond	Project
						'17-'21	thru FY16	FY 2021	Total
Bonds (30 Year)	\$51	\$76	\$228	\$432	\$0	\$787	\$0	\$0	\$787
Fund Balance Appropriation	0	0	0	0	0	0	0	0	0
Operating Transfer	0	0	0	0	0	0	0	0	0
Total County Funding	\$51	\$76	\$228	\$432	\$0	\$787	\$0	\$0	\$787
Federal	0	0	0	0	0	0	0	0	0
State	0	0	0	0	0	0	0	0	0
Other: WSSC @ 15%	9	14	40	76	0	139	0	0	139
Other:	0	0	0	0	0	0	0	0	0
Total Funding	\$60	\$90	\$268	\$508	\$0	\$926	\$0	\$0	\$926

Operating Budget Impact	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Approp. thru FY16	Beyond FY 2021
No. of Personnel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Personnel Costs	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	0.0	3.2	8.0	22.3	49.4	0.0	49.4
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$0.0	\$3.2	\$8.0	\$22.3	\$49.4	\$0.0	\$49.4
Increase to Sewer User Fee:	0.0¢	0.1¢	0.2¢	0.4¢	1.0¢	0.0¢	0.9¢

ility Improvements

LOCATION:

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2017

(\$ in thousands)

PROJECT NAME:	Sewer User	100%	Requested By: DPW		
Swan Pt. WWTP Electrical and Control System Improvements	Sewer Connection	0%	Project #:		
<p>Problems experienced with the existing electrical and control systems have caused concern from a safety and reliability perspective. This project will evaluate these systems and then implement the best approach for repairs and/or replacement.</p>					
VARIANCE TO APPROVED PER FY16-FY20 CAPITAL IMPROVEMENT PROGRAM:					
	FY 2017	FY 2018	FY 2019	FY 2020	TOTAL
Approved FY16-FY20 CIP	\$0	\$0	\$0	\$0	\$0
Increase/(Decrease)	\$573	\$393	\$278	\$250	\$1,494
% change	new	new	new	new	new

EXPENSE BUDGET	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year			
						Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Architectural & Engineering	\$125	\$75	\$25	\$25	\$0	\$250	\$0	\$0	\$250
Land & ROW	0	0	0	0	0	0	0	0	0
Construction	325	225	175	150	0	875	0	0	875
Equipment	0	0	0	0	0	0	0	0	0
Administration	12	12	12	12	0	48	0	0	48
Administration - FAS	3	3	3	3	0	12	0	0	12
Inspection	75	55	45	45	0	220	0	0	220
Miscellaneous	0	0	0	0	0	0	0	0	0
Contingency	33	23	18	15	0	89	0	0	89
Total Outlay	\$573	\$393	\$278	\$250	\$0	\$1,494	\$0	\$0	\$1,494

FINANCING SOURCES		FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year			
							Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Bonds (15 Year)		\$573	\$393	\$278	\$250	\$0	\$1,494	\$0	\$0	\$1,494
Fund Balance Appropriation		0	0	0	0	0	0	0	0	0
Operating Transfer		0	0	0	0	0	0	0	0	0
Total County Funding		\$573	\$393	\$278	\$250	\$0	\$1,494	\$0	\$0	\$1,494
Federal		0	0	0	0	0	0	0	0	0
State		0	0	0	0	0	0	0	0	0
Other: WSSC @ 15%		0	0	0	0	0	0	0	0	0
Other:		0	0	0	0	0	0	0	0	0
Total Funding		\$573	\$393	\$278	\$250	\$0	\$1,494	\$0	\$0	\$1,494

Operating Budget Impact	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Approp. Beyond	
						thru FY16	FY 2021
No. of Personnel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Personnel Costs	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	0.0	50.3	84.9	109.4	131.4	0.0	131.4
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$0.0	\$50.3	\$84.9	\$109.4	\$131.4	\$0.0	\$131.4
Increase to Sewer User Fee:	0.0¢	1.9¢	3.2¢	3.9¢	4.6¢	0.0¢	4.6¢

LOCATION:

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2017

(\$ in thousands)

PROJECT NAME:	Sewer User	100%	Requested By: DPW		
Post Office Road Sewer Capacity Improvements	Sewer Connection	0%	Project #:		
<p>This project includes evaluation and implementation of recommended improvements to approximately 3,500 LF of sewer in the area of Post Office Road and St. Charles Parkway to address capacity and maintenance concerns.</p>					
VARIANCE TO APPROVED PER FY16-FY20 CAPITAL IMPROVEMENT PROGRAM:					
	FY 2017	FY 2018	FY 2019	FY 2020	TOTAL
Approved FY16-FY20 CIP	\$0	\$0	\$0	\$0	\$0
Increase/(Decrease)	\$190	\$428	\$818	\$0	\$1,436
% change	new	new	new	n/a	new

EXPENSE BUDGET	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year			
						Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Architectural & Engineering	\$175	\$35	\$45	\$0	\$0	\$255	\$0	\$0	\$255
Land & ROW	0	0	0	0	0	0	0	0	0
Construction	0	275	575	0	0	850	0	0	850
Equipment	0	0	0	0	0	0	0	0	0
Administration	12	12	12	0	0	36	0	0	36
Administration - FAS	3	3	3	0	0	9	0	0	9
Inspection	0	75	125	0	0	200	0	0	200
Miscellaneous	0	0	0	0	0	0	0	0	0
Contingency	0	28	58	0	0	86	0	0	86
Total Outlay	\$190	\$428	\$818	\$0	\$0	\$1,436	\$0	\$0	\$1,436

FINANCING SOURCES		FY 2017	FY 2018	FY 2019	FY 2020	FY 2021				
							\$1,436	\$0	\$0	\$1,436
Bonds (15 Year)		\$190	\$428	\$818	\$0	\$0	\$1,436	\$0	\$0	\$1,436
Fund Balance Appropriation		0	0	0	0	0	0	0	0	0
Operating Transfer		0	0	0	0	0	0	0	0	0
Total County Funding		\$190	\$428	\$818	\$0	\$0	\$1,436	\$0	\$0	\$1,436
Federal		0	0	0	0	0	0	0	0	0
State		0	0	0	0	0	0	0	0	0
Other: WSSC @ 15%		0	0	0	0	0	0	0	0	0
Other:		0	0	0	0	0	0	0	0	0
Total Funding		\$190	\$428	\$818	\$0	\$0	\$1,436	\$0	\$0	\$1,436

Operating Budget Impact	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Approp. Beyond	
						thru FY16	FY 2021
No. of Personnel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Personnel Costs	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	0.0	16.7	54.4	126.4	126.4	0.0	126.4
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$0.0	\$16.7	\$54.4	\$126.4	\$126.4	\$0.0	\$126.4
Increase to Sewer User Fee:	0.0¢	0.6¢	2.1¢	4.5¢	4.4¢	0.0¢	4.4¢

LOCATION:

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2017

(\$ in thousands)

PROJECT NAME: Sewer Easement Study & Acquisition	Sewer User Sewer Connection	100% 0%	Requested By: PGM Project #:		
This project will identify and map water and sewer easements that are needed for the Department of Public Works to access and maintain public water and sewer infrastructure. The Study will also identify where easements are missing and develop a list of necessary easements needed for proper maintenance, including logical access routes and ground cover maintenance.					
VARIANCE TO APPROVED PER FY16-FY20 CAPITAL IMPROVEMENT PROGRAM:					
	FY 2017	FY 2018	FY 2019	FY 2020	TOTAL
Approved FY16-FY20 CIP	\$0	\$0	\$0	\$0	\$0
Increase/(Decrease)	\$169	\$165	\$140	\$0	\$474
% change	new	new	new	n/a	new

EXPENSE BUDGET	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year			
						Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Architectural & Engineering	\$75	\$75	\$50	\$0	\$0	\$200	\$0	\$0	\$200
Land & ROW	75	75	75	0	0	225	0	0	225
Construction	0	0	0	0	0	0	0	0	0
Equipment	0	0	0	0	0	0	0	0	0
Administration	8	2	2	0	0	12	0	0	12
Administration - FAS	3	5	5	0	0	13	0	0	13
Inspection	0	0	0	0	0	0	0	0	0
Miscellaneous	5	5	5	0	0	15	0	0	15
Contingency	3	3	3	0	0	9	0	0	9
Total Outlay	\$169	\$165	\$140	\$0	\$0	\$474	\$0	\$0	\$474

FINANCING SOURCES	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Bonds (15 Year)	\$169	\$165	\$140	\$0	\$0	\$474	\$0	\$0	\$474
Fund Balance Appropriation	0	0	0	0	0	0	0	0	0
Operating Transfer	0	0	0	0	0	0	0	0	0
Total County Funding	\$169	\$165	\$140	\$0	\$0	\$474	\$0	\$0	\$474
Federal	0	0	0	0	0	0	0	0	0
State	0	0	0	0	0	0	0	0	0
Other: WSSC @ 15%	0	0	0	0	0	0	0	0	0
Other:	0	0	0	0	0	0	0	0	0
Total Funding	\$169	\$165	\$140	\$0	\$0	\$474	\$0	\$0	\$474

Operating Budget Impact	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Approp. Beyond thru FY16 FY 2021	
No. of Personnel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Personnel Costs	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	0.0	14.8	29.4	41.7	41.7	0.0	41.7
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$0.0	\$14.8	\$29.4	\$41.7	\$41.7	\$0.0	\$41.7
Increase to Sewer User Fee:	0.0¢	0.6¢	1.1¢	1.5¢	1.5¢	0.0¢	1.4¢

sition
LOCATION:

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2017

(\$ in thousands)

PROJECT NAME: Line Maintenance Storage Building	Sewer User Sewer Connection	100% 0%	Requested By: DPW Project #:		
<p>This project will construct a building located at Mattawoman WWTP to protect trucks and other equipment from the weather, especially during the winter months where freezing is a concern.</p>					
VARIANCE TO APPROVED PER FY16-FY20 CAPITAL IMPROVEMENT PROGRAM:					
	FY 2017	FY 2018	FY 2019	FY 2020	TOTAL
Approved FY16-FY20 CIP	\$0	\$0	\$0	\$0	\$0
Increase/(Decrease)	\$489	\$0	\$0	\$0	\$489
% change	new	n/a	n/a	n/a	new

EXPENSE BUDGET	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Architectural & Engineering	\$35	\$0	\$0	\$0	\$0	\$35	\$0	\$0	\$35
Land & ROW	0	0	0	0	0	0	0	0	0
Construction	375	0	0	0	0	375	0	0	375
Equipment	0	0	0	0	0	0	0	0	0
Administration	3	0	0	0	0	3	0	0	3
Administration - FAS	3	0	0	0	0	3	0	0	3
Inspection	35	0	0	0	0	35	0	0	35
Miscellaneous	0	0	0	0	0	0	0	0	0
Contingency	38	0	0	0	0	38	0	0	38
Total Outlay	\$489	\$0	\$0	\$0	\$0	\$489	\$0	\$0	\$489

FINANCING SOURCES	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Bonds (15 Year)	\$489	\$0	\$0	\$0	\$0	\$489	\$0	\$0	\$489
Fund Balance Appropriation	0	0	0	0	0	0	0	0	0
Operating Transfer	0	0	0	0	0	0	0	0	0
Total County Funding	\$489	\$0	\$0	\$0	\$0	\$489	\$0	\$0	\$489
Federal	0	0	0	0	0	0	0	0	0
State	0	0	0	0	0	0	0	0	0
Other: WSSC @ 15%	0	0	0	0	0	0	0	0	0
Other:	0	0	0	0	0	0	0	0	0
Total Funding	\$489	\$0	\$0	\$0	\$0	\$489	\$0	\$0	\$489

Operating Budget Impact	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Approp. thru FY16	Beyond FY 2021
No. of Personnel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Personnel Costs	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	0.0	42.9	42.9	42.9	42.9	0.0	42.9
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$0.0	\$42.9	\$42.9	\$42.9	\$42.9	\$0.0	\$42.9
Increase to Sewer User Fee:	0.0¢	1.7¢	1.6¢	1.5¢	1.5¢	0.0¢	1.5¢

ing
LOCATION:

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2017

(\$ in thousands)

PROJECT NAME: Indian Head Manor PS Removal	Sewer User Sewer Connection	100% 0%	Requested By: PGM Project #:		
The Indian Head Manor Sewer Pump Station will need to be abandoned in conjunction with the Guilford Subdivision					
VARIANCE TO APPROVED PER FY16-FY20 CAPITAL IMPROVEMENT PROGRAM:					
	FY 2017	FY 2018	FY 2019	FY 2020	TOTAL
Approved FY16-FY20 CIP	\$0	\$0	\$0	\$0	\$0
Increase/(Decrease)	\$0	\$126	\$0	\$0	\$126
% change	n/a	new	n/a	n/a	new

EXPENSE BUDGET	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Architectural & Engineering	\$0	\$15	\$0	\$0	\$0	\$15	\$0	\$0	\$15
Land & ROW	0	0	0	0	0	0	0	0	0
Construction	0	75	0	0	0	75	0	0	75
Equipment	0	0	0	0	0	0	0	0	0
Administration	0	12	0	0	0	12	0	0	12
Administration - FAS	0	3	0	0	0	3	0	0	3
Inspection	0	4	0	0	0	4	0	0	4
Miscellaneous	0	2	0	0	0	2	0	0	2
Contingency	0	15	0	0	0	15	0	0	15
Total Outlay	\$0	\$126	\$0	\$0	\$0	\$126	\$0	\$0	\$126

FINANCING SOURCES	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Bonds (15 Year)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Fund Balance Appropriation	0	0	0	0	0	0	0	0	0
Operating Transfer	0	126	0	0	0	126	0	0	126
Total County Funding	\$0	\$126	\$0	\$0	\$0	\$126	\$0	\$0	\$126
Federal	0	0	0	0	0	0	0	0	0
State	0	0	0	0	0	0	0	0	0
Other: WSSC @ 15%	0	0	0	0	0	0	0	0	0
Other:	0	0	0	0	0	0	0	0	0
Total Funding	\$0	\$126	\$0	\$0	\$0	\$126	\$0	\$0	\$126

Operating Budget Impact	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Approp. thru FY16	Beyond FY 2021
No. of Personnel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Personnel Costs	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Increase to Sewer User Fee:	0.0¢	4.9¢	-4.8¢	0.0¢	0.0¢	0.0¢	0.0¢

LOCATION:

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2017

(\$ in thousands)

PROJECT NAME: Sewer Pump Station Capacity Study	Sewer User Sewer Connection	50% 50%	Requested By: PGM Project #:		
<p>A comprehensive update and analysis of existing County sewer pump stations is needed to accurately represent the true capacity and limitations of our sewer infrastructure for maintenance planning as well as analyzing the impact of currently proposed development on the sewer systems, as well as an impact analysis of future build-out.</p>					
VARIANCE TO APPROVED PER FY16-FY20 CAPITAL IMPROVEMENT PROGRAM:					
	FY 2017	FY 2018	FY 2019	FY 2020	TOTAL
Approved FY16-FY20 CIP	\$0	\$0	\$0	\$0	\$0
Increase/(Decrease)	\$0	\$0	\$169	\$0	\$169
% change	n/a	n/a	new	n/a	new

EXPENSE BUDGET	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Architectural & Engineering	\$0	\$0	\$150	\$0	\$0	\$150	\$0	\$0	\$150
Land & ROW	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0
Equipment	0	0	0	0	0	0	0	0	0
Administration	0	0	11	0	0	11	0	0	11
Administration - FAS	0	0	3	0	0	3	0	0	3
Inspection	0	0	0	0	0	0	0	0	0
Miscellaneous	0	0	2	0	0	2	0	0	2
Contingency	0	0	3	0	0	3	0	0	3
Total Outlay	\$0	\$0	\$169	\$0	\$0	\$169	\$0	\$0	\$169

FINANCING SOURCES	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Bonds (30 Year)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Fund Balance Appropriation	0	0	0	0	0	0	0	0	0
Operating Transfer	0	0	169	0	0	169	0	0	169
Total County Funding	\$0	\$0	\$169	\$0	\$0	\$169	\$0	\$0	\$169
Federal	0	0	0	0	0	0	0	0	0
State	0	0	0	0	0	0	0	0	0
Other: WSSC @ 15%	0	0	0	0	0	0	0	0	0
Other:	0	0	0	0	0	0	0	0	0
Total Funding	\$0	\$0	\$169	\$0	\$0	\$169	\$0	\$0	\$169

Operating Budget Impact	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Approp. thru FY16	Beyond FY 2021
No. of Personnel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Personnel Costs	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Increase to Sewer User Fee:	0.0¢	0.0¢	3.2¢	-3.0¢	0.0¢	0.0¢	0.0¢

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LOCATION:

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2017

(\$ in thousands)

PROJECT NAME: Sewer Detail Revisions	Sewer User Sewer Connection	0% 100%	Requested By: PGM Project #:		
Consultant assistance is needed to prepare updated sewer infrastructure detail schematics to guide engineers designing public sewer infrastructure. Certain design detail schematics may not be consistent with the current industry standards.					
VARIANCE TO APPROVED PER FY16-FY20 CAPITAL IMPROVEMENT PROGRAM:					
	FY 2017	FY 2018	FY 2019	FY 2020	TOTAL
Approved FY16-FY20 CIP	\$0	\$0	\$0	\$0	\$0
Increase/(Decrease)	\$37	\$0	\$0	\$0	\$37
% change	new	n/a	n/a	n/a	new

EXPENSE BUDGET	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Architectural & Engineering	\$30	\$0	\$0	\$0	\$0	\$30	\$0	\$0	\$30
Land & ROW	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0
Equipment	0	0	0	0	0	0	0	0	0
Administration	2	0	0	0	0	2	0	0	2
Administration - FAS	3	0	0	0	0	3	0	0	3
Inspection	0	0	0	0	0	0	0	0	0
Miscellaneous	1	0	0	0	0	1	0	0	1
Contingency	1	0	0	0	0	1	0	0	1
Total Outlay	\$37	\$0	\$0	\$0	\$0	\$37	\$0	\$0	\$37

FINANCING SOURCES	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year Total '17-'21	Approp. thru FY16	Beyond FY 2021	Project Total
Bonds (30 Year)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Fund Balance Appropriation	0	0	0	0	0	0	0	0	0
Operating Transfer	37	0	0	0	0	37	0	0	37
Total County Funding	\$37	\$0	\$0	\$0	\$0	\$37	\$0	\$0	\$37
Federal	0	0	0	0	0	0	0	0	0
State	0	0	0	0	0	0	0	0	0
Other: WSSC @ 15%	0	0	0	0	0	0	0	0	0
Other:	0	0	0	0	0	0	0	0	0
Total Funding	\$37	\$0	\$0	\$0	\$0	\$37	\$0	\$0	\$37

Operating Budget Impact	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Approp. thru FY16	Beyond FY 2021
No. of Personnel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Personnel Costs	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Increase to Sewer User Fee:	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢

LOCATION: